Derek Philip Au

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Summary

11 years experience as a professional studio ceramicist, 2 years experience managing a resident studio, and 2 years working for a large-scale ceramics production workshop and residency. Experienced with all aspects of ceramics production: ceramic chemistry, clay & glaze formulation and preparation, traditional & modern fabrication processes, and maintenance and firing of a wide variety of kiln types and sizes.

In addition, 20 years of software development experience using a variety of programming languages in many different environments including 3D modeling and open-source development.

Experience living and working in a number of different countries and cultures. Native English, intermediate-advanced Mandarin Chinese.

Experience

2018-2019   **Special Student**
Alfred University
Alfred, NY
Continued research of mid- and high-fire glaze chemistry. Begin new series of work, *"Splashed"*, based on new glazes produced during this time. Continuing the *"Painted"* series using colored slips.

2018   **McKnight Resident Artist & Expatriate Ceramics Exhibition**
Northern Clay Center
Minneapolis, MN

One of four artists selected for 2018's McKnight residencies at Northern Clay Center (NCC). Produced work for the Expatriate Ceramics exhibition including a new series of *"Painted"* work featuring Jun glazes. https://www.northernclaycenter.org/artist-services/artists-residencies/visiting-mcknight-resident-artist https://www.northernclaycenter.org/exhibition/expatriate-ceramics

2017-Present **Developer**
72Hands.org
Built with Wordpress, 72 Hands stores videos, photos, and articles documenting both traditional and contemporary ceramics practices in Jingdezhen. Produced all content on the website, including photographs, videos, and articles.
https://72hands.org

2015-2017 **Art Director**
Zhenrutang Ceramics
Jingdezhen, China (part-time)
Located in San Bao Village just outside Jingdezhen, Zhenrutang is a ceramics workshop and artist residency specializing in traditional Chinese ceramics techniques such as blue & white painting. As Art Director, I was responsible for overseeing the residency as well as trouble-shooting technical problems with the workshop production, including the modification of ceramic designs and refining of production practices to increase yield.

2015-Present **Glazy.org**
On-going development and management of https://glazy.org, a free, open-source ceramic recipes website that has grown to become one of the most popular ceramics resources on the internet. Originally a classic Laravel MVC application, the newest release of Glazy consists of a Mysql & Laravel back-end exposing a JSON API which is consumed by a Vue 2.0 Single Page Application (SPA) front-end using vue-router and vuex and designed with Bootstrap 4 and bootstrap-vue components. User-customizable scatter plots were built using Vue and D3. Currently running on DigitalOcean servers with backups in Amazon S3 storage with plans to migrate fully to AWS in the near future.
https://github.com/derekphilipau/glazy

2015-Present **Developer**
Ceramics Data Visualization Projects

On-going development of ceramics-related data visualization, including D3 & Plotly-powered customizable chemical analyses plots, as well as standards for representation of chemical analyses UMF representations.
https://derekphilipau.github.io/vue-d3-stull-charts/
https://derekphilipau.github.io/vue-plotly-umf-charts/
https://derekphilipau.github.io/ceramic-chemistry-visualization/

2012-2015 **Co-Founder & Developer**
KAOLIN Ceramics Publication
Shanghai, China (remote)
Kaolin is a China-based studio and online magazine featuring both contemporary and traditional ceramics, as well as interviews with important ceramicists of this generation. Part of a team of three people developing a ceramics magazine and web shop. Initial magazine website was built with Wordpress and custom Bootstrap-based responsive theme, and later included integration with an online store.

2009-2018 **Ceramic Artist**
Jingdezhen, China
Established an independent studio in Jingdezhen for the small-scale production of functional studio ceramics.

2007-2009 **Studio Manager**
Pottery Workshop
Jingdezhen, China.
Manager of the Resident Artist Studio. Responsible for translating & coordinating work between resident artists and local artisans, instructing artists in local Chinese techniques & materials, as well as maintenance and cleaning of studio equipment.

2006-2007 **Software Architect**
Right Media & Yahoo!
New York and Beijing, China
Reporting information architecture, data aggregation and visualization. Responsible for the development of Right Media's reporting software, Reportware. The reporting software is capable of aggregating millions of data transactions every minute into accounting journals. A reporting and analysis engine provides tens of thousands of reports from this database every hour, while running on just one commodity server.

2005-2006 **Greenpeace Ship Campaigns Webmaster**
Southeast Asia & Hong Kong
Responsible for the creation of multiple websites updated directly over satellite from sea. Created using a custom-built multilingual web framework used to host the campaign content. Responsible for photography and videography of campaign events, as well as subsequent multimedia editing and posting to websites.

2003-2005 **Radio Operator**
Greenpeace Sailing Vessel Rainbow Warrior
Various ports of call
Responsible for all ship communications equipment and maintenance, including radios, satellite, and on-board computer network. Maintained all communication hardware including radios (receivers, transceivers, handhelds, and antennas), computers (servers, desktops, laptops, printers), satellite equipment (Inmarsat A and B terminals, dishes), and multimedia equipment (video cameras, video editing equipment, and sound equipment). Edited raw multimedia (including sounds, video, and stills) for release to news agencies and the web site. Responsible for videography and photography when dedicated photojournalists not present. Built and maintained campaign websites using a custom-built web application that provides multilingual blogging capabilities.

2001-2003 **Software Developer & Network Administrator**
Greenpeace International
Amsterdam, The Netherlands
Responsible for administrating the Greenpeace WAN- a network with over 60 servers and 40 subnets spanning 37 countries. Performed remote and on-site installation of Linux servers all over the world. Installed servers and maintained networks on all three Greenpeace ships. Developed and implemented standards for the ship servers. Wrote scripts an installed monitoring programs intended to ease administration of the network. Performed first and second line help-desk duties. Responsible for the maintenance, design, and implementation of software for internal Greenpeace operations.

Developed and maintained the Greenpeace Digital Library. The digital library consists of two applications: a client-server program for librarians and a web

application for Greenpeace researchers. The client-server application allows librarians to catalog items in the library using a standard thesaurus, link digital representations of artifacts (e.g. scans of slides) to metadata resources, and search the database in complex ways. The web application allows users from all Greenpeace national offices to search the library using a standard web browser.

2000-2001 **Senior Consultant**
LogicSpan, Inc.
New York City & Jersey City
Integrated a campaign-based advertisement server, RightPoint, with Wingspan Bank's web site. The project involved Java Servlets, JavaScript, and RightPoint's Campaign Manager. Integrated a customer relationship management (CRM) package, SilkNet, with the AssetTrade web site.

1999-2000 **Consultant**
Intelligroup, Inc.
Phoenix, Arizona & New York City
Developed and maintained the American Express Financial Hub, a financial services portal. The project was created with ASP, COM, and Vignette Story Server and integrated with a variety of third-party systems. Developed and deployed the American Express Bug Depot, an on-line repository for web-related bugs.

1999 **Consultant**
Florida State University School of Music
Tallahassee, Florida, USA
Designed, developed, and deployed the first on-line course offered by Florida State University's School of Music. The course is MUH2052, "Music Cultures of the World", Dr. Dale A. Olsen, professor. The site incorporated music, video, slide shows, lectures, and a discussion board. Created streaming multimedia content with RealNetworks technologies and SMIL, dynamic content with CGI (Perl), and graphics with Photoshop and Illustrator. The site was hosted on an Apache web server.

Winner of the Florida State University President's Award for Exemplary Use of Technology in Instruction.

1997-1999 **Programmer (Distributed Computer Systems Analyst)**
Florida Department of Labor, Division of Jobs & Benefits

Tallahassee, Florida, USA
Developed and maintained all Internet applications for the Division. The programs include an application system for Florida Alien Labor Certification, a job-bank search system, and an internal employee time system. Applications were developed using a combination of CGI (written in C and Perl), ASP, SQL Server 6.0/7.0, Access, and Cold Fusion, all running on IIS 4.0 servers.

Education

1993-1994   **New College**
Sarasota, Florida, USA
Interdisciplinary Studies in various fields including Ceramics, Fine Arts, Philosophy, Humanities.

1995-1999   **Florida State University**
Tallahassee, Florida, USA
Interdisciplinary Studies in various fields including Philosophy, Literature, Humanities, Computer Science, and Mathematics.

2018-2019   **Alfred University**
Alfred, New York, USA
Special Student in the Ceramics Department. Continued research in ceramic materials as well as maintaining studio practice.

Exhibitions

2008/09   **Solo Exhibition**
Pottery Workshop C2 Gallery. *Jingdezhen, China.*

2009/05   **Form & Function: Ceramics Group Exhibition**
Two Cities Gallery. *Shanghai, China.*

2009/07   **Ningbo Contemporary Ceramics Exhibition**
Ningbo Museum of Art. *Ningbo, China.*

2009/07   **Foundation: Summer Show**
Two Cities Gallery. *Shanghai, China.*

2009/12   **Wang Hao & Derek Au Functional Ceramics Exhibition**
Pottery Workshop C2 Gallery. *Jingdezhen, China.*

2010/02   **Group Exhibition**
Light Square Gallery, Adelaide College of the Arts. *Adelaide, Australia.*

2010/05   **First International Triennale of Kogei in Kanazawa**
21st Century Museum of Contemporary Art. *Kanazawa, Japan.*

2010/06   **Spring Auction 2010-Contemporary Design**
Hosane Auction House. *Shanghai, China.*

2010/08   **Varied Life Exhibition** "参差日常"生活展

微山行 Design Gallery. *Shanghai, China.*

2011/01   **Foundation: Functional**
Two Cities Gallery. *Shanghai, China.*

2011/04   **2nd Dimension Contemporary Ceramics Group Exhibition**
Ningbo Contemporary Art Museum. *Ningbo, China.*

2011/06   **Transcending Time**
BMW Hap Seng Star Gallery. *Kuala Lumpur, Malaysia.*

2011/12   **Tooling**
National Tainan University of the Arts. *Tainan, Taiwan.*

2012/04   **Teaware: 5 Person Exhibition**
Moganshan Road M50 Art Industry Park. *Shanghai, China.*

2012/06   **Documentary** 《china 瓷》
CCTV-9 Documentary. *Beijing & Jingdezhen, China.*

2012/08   **Solo Exhibition**
The Clay Studio. *Philadelphia, USA.*

2016/08   **Utilitarian Clay VII National Symposium Invited Artists Exhibition**

Arrowmont School of Arts & Crafts. *Gatlinburg, Tennessee.*

2016/09   **Designed & Crafted 16**
Signature Gallery, Atlanta Contemporary. *Atlanta, Georgia.*

2017/09   **"From, In, to Jingdezhen; Eight Experiences"**
Gimhae Clayarch Museum. *Gimhae, South Korea.*

2018/03   **"Expatriate Ceramics"**
Northern Clay Center. *Minneapolis, Minnesota.*

2018/05   **Yunomi Invitational**
Clay Akar. *Iowa City, Iowa & Online.*

2018/11   **12th Annual Simple Cup Show**
Seward Park Clay Studio. *Seattle, Washington.*