

DOUGLAS MICHAEL DANG

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Leadership and Management Experience

Implementation Consultant

Fast Enterprises, LLC

October 2020 — present

- Lead development and implementation of private core software for public-sector clients including Tennessee Dept. of Homeland Security (TN DHS) and Washington Employment Security Division (WA ESD)
- Communicate effectively with 20+ developers and 10+ business leads to carryout departmental goals
- Identify client needs through business assessment and translate findings into technical solutions with an emphasis on UX and design
- Create project documentation and design schema to execute deliverables always on-time and on-budget

Instructor

Elite Educational Institute

September 2018 — August 2020

- Taught math and science classes to high school students preparing for higher education in personalized sessions tailored towards their specific learning needs and goals

Program Director, ARC Medical Program

UCLA Health, David Geffen School of Medicine (DGSM)

September 2016 — June 2020

- Managed team of 13 data interns and 36 clinical research volunteers and implement tactics for data/program optimization to impact soft skills education for 600+ annual medical residents and students

Director of Scholar & Alumni Relations

Alumni Scholars Club, UCLA Alumni Association

September 2016 — June 2019

- Worked on team of 12 directors and personally managed 10 coordinators to provide opportunities for 800 students to network with alumni through events tailored to underrepresented student groups in college
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Additional Technical Experience

Data Science Specialist

Expert DOJO

June 2019 — August 2019

- Performed data-driven market research to strategize for accelerator's Italian startup cohort success
- Made product recommendations based off company development and projections in U.S. market
- Created internal SQL database to organize information on investor interests startup clients

Computational Neuroscience Research Assistant

Loo Laboratory, Semel Institute for Neuroscience and Human Behavior

May 2017 — January 2019

- Recorded EEG data from children living with ADHD and interpret significant anomalies to identify patterns to understand how learning takes places under neurodevelopmental learning conditions in the brain

Education Technician

UCLA Biocybernetics Laboratory

March 2017 — June 2018

- Led project focused on developing an educational application for computational systems biology students to understand mathematical modeling of physiological processes through an interactive interface
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Publications and Projects

Unemployment Caller Claimant IVR REST API Conversion and Modernization

May 2022 — December 2022

- Modernized Washington State unemployment caller claims for 40,000 active users through WA ESD

Ignition Interlock Device Program Software Implementation and Automation

January 2021 — May 2021

- Developed and managed deployment of IID software for TN DHS affecting over 60,000 drivers across state

Assessing Resident CI-CARE Data Analytics and Annual Metrics Evaluations

September 2016 — June 2020

- Led analysis of 1400+ annual patient surveys across 11 medical disciplines to evaluate residents annually

EEG Brain Data Analysis Matlab Toolbox, Experimental Focus on ADHD in Children

June 2018 — January 2019

- Developed Matlab toolbox set to quickly analyze EEG data from kids with ADHD during memory tasks

Computational Biology Digital Learning Modules through Animation, Project Lead

March 2017 — June 2018

- Designed and implemented models used in *Dynamic Systems Biology Modeling and Simulation* textbook
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Education

University of California, Los Angeles

- Bachelor's of Science in Computer Science, Minor in Computational Genomics
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Awards: Top 1% of FAST employees (2021, 2022), Edie & Lew Wasserman Award (2018), Rotary Award (2016)

Skills: UX Design, Project management, Process optimization, SQL/SSMS, Python, Microsoft suite, Data analysis

Personal Interests: Team management, Leadership, Education, Mentorship, Novice chef, Recreational traveler