

EDUCATION University of California, Berkeley | June 2012 – August 2016

B.A. Operations Research & Management Science, B.A. Public Health

Relevant courses:

- Structure, Interpretation of Computer Programs (Python)
- Industrial and Commercial Databases (MS Access, SQL)
- Linear Programming & Network Flows (AMPL)
- Data Computing (R)
- Data Structures (Java)
- Probability Theory
- Simulation (SIGMA)
- Quality Control & Forecasting

Foothill – De Anza Community College | September 2017 – Present

Relevant courses:

- Intermediate Software Design in C++
- Advanced Data Structures & Algorithms in C++*
- * indicates in progress/intended courses
- Operating System Concepts*
- Discrete Mathematics*

EXPERIENCE Software Engineer | September 2016 – Present

Omnicell, Mountain View, CA

- Implement core software features to compliment and streamline the workflows of nurses and pharmacists.
- Create unit and integration tests to test deliverables and determine root cause analyses.
- Design and develop microservices based on business needs and requirements.
- Understand and participate in an Agile/Scrum development framework.

Health Science and Research Compliance Intern | June 2015 – August 2015

University of California Office of the President, Oakland, CA

- Analyzed UC campus health data and formulated explanations for significant variances.
- Translated results into a comprehensive summary and visual to improve performance on operational and compliance standards.
- Assessed and documented effectiveness of departmental internal controls.

PROJECTS

StrikeSim (SIGMA)

UC Berkeley, IEOR 131 (Simulation); view: strikesim.com

Designed a model that simulates strikes in a ride sharing economy to better understand the optimal time for drivers to strike and the profit implications of a strike for ride sharing companies.

Massdeck (Meteor)

LA Hacks 2016

Created a crowd sourced music playlist that monitors popularity of songs by utilizing Meteor, MongoDB, and the Youtube and Youtube Search API.

Editor (Java)

UC Berkeley, CS 61B (Data Structures)

Designed and developed from scratch a simple text editor with backspace and arrow key capabilities, font size changes, undo/redo functions, and printing current position of text.

ChickTech Database (MS Access, SQL)

UC Berkeley, IEOR 115 (Databases)

Created a relational database for a nonprofit called ChickTech to improve the distribution of participant, volunteer, and employee information across all channels.

TECHNICAL SKILLS

Proficient/Familiar

Languages: Python, Java, C++, SQL, VFP, HTML, CSS, JavaScript, C#, Scheme
Other: Agile (Scrum), Visual Studio, SIGMA, AMPL, R, Git, Unix/Linux