

Skills

The following are sorted by proficiency

Languages	Python • C • Java • JavaScript • \LaTeX • Bash • Standard ML • Go • HTML • CSS
Frameworks	React • Flask
Databases	MongoDB • MySQL • Neo4j
Tools	VS Code • GitHub • Unix • Vim • Airflow • Presto • S3 • Valgrind • Perforce • GDB • Jenkins Docker • Kubernetes • GCP gcloud CLI • Terraform • Grafana
Other	Cantonese • Mandarin • Japanese

Experience

Software Engineering Intern	MongoDB	06/2022 - 08/2022, 06/2023 - 08/2023
<ul style="list-style-type: none">• Added type annotations to Python driver code base• Increased the performance of the Python driver by up to 134%• Broke down projects into 40+ tickets for development• Defined the specification for a project including designing the software architecture that accounts for future improvements after project handoff• Implemented a GO program that read hundreds of queries every hour from S3 and stored the lineage in the Neo4j database• Utilized the open source Trino SQL parser to extract data lineage from queries• Built a backend flask API that queries a Neo4j database		
DevOps Intern	2K Publishing	06/2021 - 08/2021
<ul style="list-style-type: none">• Attended daily scrum meetings and worked on a team with 20 software engineers• Expanded on VCS knowledge by learning how to interact with Perforce professionally• Made a Grafana dashboard to highlight key metrics exposed by Prometheus• Successfully migrated a business critical preexisting Jenkins pipeline without impeding the application team• Assisted in the completion of over 11 tickets supporting multiple teams• Presented technical topics four times, breaking down subject matter silos and communicating complex topics clearly in a digestible format		
Software Developer	Hack4Impact - Student Club	09/2020 - 09/2022
<ul style="list-style-type: none">• Collaborated on a team with local non-profits to develop a website using the MERN stack that allows for management of operations and volunteers		
Teaching Associate	Cal Poly Fundamentals of Computer Science • Discrete Structures	01/2023 - Present
CLA Student Technician	Cal Poly	09/2019 - 09/2021
Instructional Student Assistant	Cal Poly Introduction to Computing • Fundamentals of Computer Science • Data Structures Object-Oriented Programming and Design • Design and Analysis of Algorithms • Theory of Computation Gender, Race, Culture, Science, and Technology	01/2021 - Present

Projects

Resident Advisor	Cal Poly	01/2021 - 06/2023
Interpreter	Cal Poly	09/2021 - 10/2021
<ul style="list-style-type: none">• Implemented an interpreter for a programming language that supports functions/closures, objects, and dynamic type checking in Standard ML		

Education

California Polytechnic State University	San Luis Obispo
Masters of Science in Computer Science	Target Graduation: June 2024
Overall GPA: 3.866	Major GPA: 3.94

Coursework

Data Structures • Systems Programming • Operating Systems
Computer Organization • Computer Architecture • Object-Oriented Programming and Design
Discrete Structures • Design and Analysis of Algorithms • Theory of Computation
Programming Languages • Compiler Construction • Artificial Intelligence