

EXPERIENCE

illumina | San Diego, CA

Senior Software Engineer

May 2024 - Present

Software Engineer 2 (Software Development Engineer in Test)

June 2022 - May 2024

Software Engineer 1 (Software Development Engineer in Test)

September 2021 - June 2022

- Take ownership of the development, maintenance and enhancement of automated test frameworks, tools, unit tests, and software components throughout the company
- Collaborate with bioinformatics scientists to break-down analysis algorithms, design and develop unique test solutions, and learn additional domain-related concepts
- Team with software developers and domain experts to create and improve verification tests for multi-platform applications
- Successfully implement critical process improvements, demonstrating initiative and problem-solving skills
- Prepare necessary verification artifacts required for formal software/product release
- Participate in Code and Design Reviews, Sprint Retrospective and Planning Meetings for iterative development
- Proven experience in a fast-paced, collaborative environment, using agile development methodologies, with a focus on Scrum team responsibilities, in addition to, providing mentorship and leadership to other engineers

Echo Markets | San Diego, CA

Software Engineer Intern

June 2020 - August 2020

- Applied market and software engineering/design experience to build a commission-free, social, stock trading web-application.
- Utilized full-stack software development skills by using: Python (Django), PostgreSQL and front-end technologies like Bootstrap, CSS3, HTML5, and JavaScript.
- Developed complex data models, logistical functions, scripts, tests, and UI features for different areas of the application
- Utilizing an agile development methodology, I maintained and deployed the application on GitLab and Heroku.
- Contributed to daily stand-up meetings, sprint planning meetings, code reviews, and conducted platform design sessions to plan platform direction with (non-technical) executives

SKILLS

- Proficient: Python, Java, SQL (MySQL & PostgreSQL), Git, Jenkins, Microsoft Office
- Experience with: JavaScript and TypeScript, Shell Scripting, C, HTML, CSS & SCSS
- Languages: English (native), Spanish (conversational speaker)
- Applied and utilized code generation tools to streamline development of personal projects

EDUCATION

University of San Diego | San Diego, CA

B.S. in Computer Science, Shiley-Marcos School of Engineering (Major GPA 4.0)

May 2021

B.A. in Mathematics, College of Arts and Sciences (Overall GPA 3.67)

May 2020

- Minor in Theology & Religious Studies
- Dean's List (Fall 2016, 2017, 2018, 2019; Spring 2019)
- First Honors (Fall 2016, 2017, 2019, 2020; Spring 2019, 2020) & Second Honors (Fall 2018)