

Experience

Revature LLC

2024

Software Engineer in Test Automation Engineering

Remote

- Used Java, JUnit, Cucumber, Selenium and web technologies (HTML & CSS) to write automated tests that **reduced manual testing time by 90%**.
- Used Jira for project management and Agile behavior-driven test development to document application features and associated test cases.
- Worked in a team of 4 software engineers to create automated systems tests and user acceptance tests with **90% code coverage**.

Tangible AI

2023

Software Engineer, Frontend

Remote

- Created an open-source graph visualization using D3.js, and vanilla JavaScript to visualize a chatbot conversation flow.
- Added a backend API using Django.
- Collaborated with a team of 3 engineers.

SubThought Corp

2023

Software Engineer

Remote

- Technologies used: JavaScript, TypeScript, XML.
- Taught myself TextMate Language Grammar and the VS Code Language Extension API.
- Collaborated with the product owner to create a language extension for a new functional programming language, enabling syntax highlighting in VS Code.

Tangible AI

2021

Software Engineer, Intern

Remote

- Learned Python, clustering with K-means (Scikit-Learn), plotting data (Matplotlib and Seaborn).
- Created an interactive visual mapping of noun phrases using word embeddings (spaCy.io) and dimensionality reduction (T-SNE); github.com/jmsundin/wordmap

Hackathons

Cerebral Beach Gen AI Hackathon

2024

1st-Place Prize Winner, Sports & Media Track

Santa Monica, CA

- Worked in a team of 5 to build a livestream feed and chatbot for sport event video segmentation.
- Frontend Technologies: JavaScript, Next.js, Tailwind CSS; github.com/danielenriquez59/pulselive-frontend.
- Backend Technologies: Python, 12 Labs Video Segmentation API, Llama Index; github.com/danielenriquez59/pulselive-backend.

Outer Edge LA Hackathon

2023

Bounty Prize Winner

Santa Monica, CA

- Worked with two others to create a web application to interface with a third-party NFT wallet.
- Technologies: JavaScript, HTML, CSS, HTTP protocols.

AI LA Bioscience Hackathon

2022

1st-Place Prize Winner, The All of Us Research Track

Culver City, CA

- Performed exploratory data analysis (EDA) on participant healthcare data to determine correlation between Diabetes Mellitus Type 2 and Long-COVID-19 using a decision tree regression model (Scikit-Learn).
- Implemented an interactive tree visualization using D3.js for the regression model.
- Collaborated with a cross-functional team of 5 to present preliminary findings in-person at the 2022 AI LA Bioscience Hackathon.

Projects

infoverse.ai | Next.js, D3.js, JavaScript, Tailwind CSS, SPARQL

2022 - 2023

- Solo developer on this SPA that provides a graph-based (D3.js) interface for Wikipedia.org (MediaWiki REST endpoint) and Wikidata.org (SPARQL and REST endpoint).
- Solves explorability problem by providing a graph-based interface for Wikipedia.org and Wikidata.org.

Education

Master of Science, Software Engineering

2021 - 2022

California State University, Fullerton; GPA 3.84

Fullerton, CA

Doctor of Medicine – Non-conferred

2017 - 2020

Loma Linda University, School of Medicine

Loma Linda, CA

Bachelor of Science, Biochemistry

2012 - 2014

Southern Adventist University; GPA 3.68

Collegedale, TN

Associate of Science, Pre-Engineering
Wake Technical Community College; GPA 3.87

2010 - 2013
Raleigh, NC