

Vincent Cannalla

Professional Software Engineer | New York, NY

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vjc-portfolio.web.app

EXPERIENCE

UCI School of Medicine, *Lead Software Developer*

JUN 2022 - PRESENT | IRVINE, CA

As the sole architect and engineer, collaborated with a team of doctors and students at the UCI School of Medicine to design and develop an external web application for conducting experimental research on postpartum depression.

Refugee Health Alliance, *Senior Software Engineer / Board Member*

APR 2020 - OCT 2021 | TIJUANA, MEXICO

Instrumental in the initiation, design, and implementation of a fully-functional electronic health record system. Was responsible for digitizing the organization's intake forms and patient-flow systems, making it easier for clinical staff to access and manage patient information.

Lytx, Inc., *Software Engineer I*

JUN 2020 - SEPT 2021 | SAN DIEGO, CA

Developed and maintained internal libraries to enable code reuse as well as visual consistency across applications. Collaborate cross-functionally with other development teams to ensure reusability and value of libraries.

Biota Technology, *Software Architect and Engineer*

JUL 2019 - JUN 2020 | SAN DIEGO, CA

Was responsible for designing the architecture of scalable and accessible internal and customer-facing applications. Sole architect and engineer of major notification features used throughout the internal application. Also performed extensive code refactoring and improved the efficiency of frontend applications by increasing test coverage by 15% and reducing API latency by 10%.

UCSD Department of Psychology, *Lead Software Developer*

JUN 2018 - JUN 2019 | SAN DIEGO, CA

Designed and developed an external web application and internal database interface for episodic research experiments. Was also responsible for hiring and leading a team of junior developers to support the project's growth and expansion. My work helped to streamline the research process and ensure accurate data collection and analysis.

Voyager Space Technologies, *Software Engineer*

JUN 2018 - JAN 2019 | SAN DIEGO, CA

Worked with a team of aerospace and software engineers to create a web application for satellite design and collaboration. Notably designed and implemented a functioning version control system to manage hardware schematics, spreadsheets, and custom catalogs.

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EDUCATION

University Of California, San Diego

B.S. in Computer Science – 2019

GPA: 3.45 | Provost Honors 4 Quarters

Columbia University

Premed Postbac – 2023

GPA: 3.96 | Dean's List 3 Semesters

TECHNICAL SKILLS

Languages

Frontend: Typescript, Javascript, HTML, CSS (SASS)

Backend: Python, Javascript, C#, Java, SQL, PHP

Technologies

Frameworks: Angular, React, jQuery – Django, ASP.NET Core, ExpressJS

Databases: MongoDB, Cloud Firestore, Firebase, Amazon RDS, MySQL, PostgreSQL

Testing Suites: Cypress, Jest, JUnit, Selenium, Mocha, Spock

Concepts and Paradigms: HTTP, MVC, API Gateway, Client-Server Model, REST, Cookies, OOP, Continuous Integration, Continuous Deployment, E2E Testing, Version Control, Git

Methodologies: Agile, Scrum, RAD, Prototyping

ACCOLADES

Research

Publication – Eyewitness | UCSD Psych, 2019

IRB Approval – UCI PregnancyHub | UCI Health, 2022

Software

“Best Development Award” – Birdie | UCSD, 2018