

Ronin Vohra

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EDUCATION

University Of California, Irvine

Irvine, CA

3.7 GPA

June 2025

- Bachelor of Science in Computer Science, specializing in Intelligent Systems
- Honors and Awards: Dean's Honor List, nominated for The National Society of Collegiate Scholars (NSCS)
- Coursework: Data Structures/Algorithms, Computer Networks, Data Management, Computer Organization

TECHNICAL SKILLS

Languages: Java, Python, C/C++/C#, SQL, JavaScript, HTML/CSS, PHP, RISC-V/MIPS Assembly, R

Technologies: Git, React, Next.js, Express, Node.js, D3.js, Three.js, WebGL, MongoDB, OpenAI, Cohere, Docker, Chroma, AWS (S3, EC2, SQS, KMS, Lambda), Azure, GCP, Regex, Django, FastAPI, PyTorch, TensorFlow, Ray, ONNX, Matplotlib, Electron, Tailwind, CUDA, Jenkins, NumPy, Pandas, Elasticsearch, Firebase, Supabase, Figma, Redis, PostgreSQL, Prisma, OpenMP, GraphQL, Kafka, RabbitMQ, Cassandra, Redux, Blender, Locust, Kubernetes, BullMQ, Linux, MySQL, Redux, Webpack, Babel, Celery, NET, Flask, Bazel, CircleCI, MinIO

EXPERIENCE

Machine Learning Researcher

Jan. 2024 – Present

UC Irvine

Irvine, CA

- Researching smoking cessation using AI/ML technologies under Professor Connie Pechmann

Software Engineer Intern

Sept. 2023 – Present

Advantest

Lake Forest, CA

- Developed a comprehensive data dashboard using **C#, .NET Framework, Blazor WASM, MongoDB** tech stack which was deployed via **Microsoft Azure** emphasizing responsive design for an optimal UX
- Engineered and optimized **Azure Functions** to efficiently process extensive datasets, significantly reducing **RESTful API** load times and enhancing overall system responsiveness
- Designed and created high-level **SQL** database schema mockups during migration process of legacy internal tool project

Software Engineer Intern

May 2023 – August 2023

CoderCrunch

Fremont, CA

- Developed **interactive** flashcards in **Quizlet**-style format for effective learning and retention of new concepts using **spaced repetition algorithm** and improved user retention rate by **150%**
- Utilized **JavaScript, jQuery, Twitter Bootstrap, PHP** and **MySQL** for full-stack development
- Built an **ML** model in **Python** using **Scikit-Learn** and **Pandas** to predict the most challenging terms/definitions in each studyset and optimized the placement of terms within the set using **A/B testing**
- Implemented client optimizations that allowed non-logged-in users to store their learning progress in the local storage and sync it to server, increasing user adoption of the product by **50%** serving **100k+** visitors

Coding Instructor

Sept. 2021 – Sept. 2022

EdRocket

Fremont, CA

- Guided students with problem-solving techniques, best coding practices, and performed **200+** code reviews
- Mentored and assisted students for **AP Computer Science Exam** and **USA Computing Olympiad**

PROJECTS

Internsphere | *React.js, HTML, CSS, PHP, SQL, Node.js, Express.js*

- Engineered an innovative internship listing platform with **React.js**, empowering users to seamlessly explore, refine, and track applied internship opportunities for optimal usability
- Developed **REST** based backend APIs to power the front-end use-cases using **Node.js, Express.js** and **MySQL**
- Implemented **web scraping techniques** and leveraged the GitHub **API** to automate the collection and publication of internship listings, keeping the listing database up-to-date with latest opportunities

FremontCovid | *React.js, PHP, SQL, Scikit-Learn, Pandas*

- Created a **React** website to provide **live statistics on the COVID-19** pandemic spread in Alameda county
- Built cron jobs to ingest COVID-19 statistics from the **CDC public API** and update the database hourly
- Developed a ML model using **Scikit-Learn** and **Pandas** to predict odds of getting infected by COVID by zipcode