NATHAN CONRAD MENDOZA

Eastvale, CA
✉ nathancm@uci.edu
🌐 https://www.ncm.dev/

SUMMARY

Enthusiastic and results-driven Software Engineering graduate with a specialization in Web API development and SQL databases. Delivered 2 RESTful APIs with 100% code coverage within 3 months, utilizing testing and mocking frameworks. Eager to contribute skills to a dynamic team in a challenging professional environment.

EDUCATION

University of California, Irvine   **Sep 2019 - Jun 2023**

B.S. in Software Engineering   *Irvine, CA*

WORK EXPERIENCE

Coding Minds   **Sep 2022 - Jun 2023**

Teaching Instructor

- Led assigned courses, sharing computer science knowledge on algorithms and data structures, and introduced students to new technologies, resulting in increased student engagement
- Improved student progress by 20% by using communication skills to provide feedback to parents.
- Scaled teaching methodologies to 12 classes, analyzing student progress and behavior to boost class involvement
- Motivated students to attempt projects that are just beyond what they learn in class by guiding students through planning and assisting with implementation when needed.
- Built trust with students by following youth technology trends and individual passions, presenting complex problems to encourage critical thinking

Box   **Jun 2022 - Sep 2022**

Internship Software Engineer Intern   *Redwood City, CA*

- Implemented a scalable python service to act as an database management agent between a grant control plane and over 800 MySQL databases, improving database security and reliability.
- Created a JSON based role specification format, exposing a strategy for data management personnel to better oversee data access and slashing the number of RBAC policies in use by a factor of 20.
- Documented the new security protocol for adding or modifying data permissions, allowing for nearly 100% automated permission updates once changes are approved

SKILLS

- **Programming languages**: Java, JavaScript, Python, Rust, Shell Scripting, TypeScript
- **Web development**: Angular, CSS, HTML, React, Responsive design, Vue
- **API development**: FastAPI, Flask, GraphQL, gRPC, Protobuf, REST API, Websockets
- **Infrastructure**: AWS Cloud, Docker containerization, Kubernetes, Ngnix web server, SSL certificates
- **Software Engineering**: Agile methodologies, Design patterns, Requirements analysis
- **Quality assurance**: Behavior-driven development, JUnit, Mocks, PyTest, Test-driven development, Unit testing