JOMIKAEL RUIZ

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Education

Bachelors of Science in Computer Science, Minor in Data Science   Sep. 2022 - Jun. 2026
Seattle University – GPA: 3.967   *Seattle, WA*

- **Relevant Coursework**: Data Structures & Algorithms, Object Oriented Programming, Operating Systems, Computer Organization, Relational Databases, Discrete Mathematics
- **Awards:** 6x Dean's List Scholar, 6x President's List Scholar, Grace Munzer Science Scholarship
- **Leadership:** United Filipino Club - Barrio Fiesta Co-Chair, Association for Computer Machinery - Secretary

Technical Skills

Languages: Java, Python, C++, SQL (MySQL & PostgreSQL), JavaScript, C#
Frameworks & Libraries: React, Node.js, Express.js, PySpark, Django, pThread
Technologies: DeltaV DCS, Arduino, AutoCAD, Fusion360, Git

Experience

Technical & Design Director   Sep. 2024 – Present
Seattle U Association of Computer Machinery   *Seattle, WA*

- Spearheaded planning of HackSU Hackathon to host a 24-hour event for 100+ entrants by negotiating with 5+ companies/organizations to collaborate & obtain funding to assist with financial costs
- Producing a **React** application, deploying to **Vercel** to spread more awareness and information about the event, receiving over 120+ applicants from website visits

Automation Engineer Intern   Jun. 2024 – Aug. 2024
Boehringer Ingelheim   *Fremont, CA*

- Replicated and developed 4 CIP recipes using **Function Block Programming** on the Mock system environment to assist Drug Substance Team's recipe development for field production
- Researched embedded system architecture by observing **DeltaV Distrubuted Control Systems**, resulting in 7 actionable improvements that leverage **Machine Learning models** to improve current systems
- Orchestrated engineering drawing project to map & organize 1200+ drawings within the **SQL database**, reducing drawing search time by 90% for Automation Department

Co-Head of IT   Jun. 2024 – Present
Seattle U Credit Union Initiative   *Seattle, WA*

- Narrowed down BaaS application selection to 3 candidates based on mobile app functionality & security, overseeing 10+ operational meetings w/ 3rd Party Providers to perform research & due diligence for a startup company
- Presented research about 9 website providers to Marketing Team via cross-functional meetings, to develop the first iteration of Credit Union Website

Software Developer   Jun. 2023 – Aug. 2023
Bilimetrix USA   *Remote*

- Achieved 100% code coverage of entire code base by contributing 20+ Unit Tests to codebase backend using the **C# ASP.NET** platform, improving testing functionality and helping discover bugs as software was scaled
- Solved a 2+ year code coverage bug that inhibited functionality of authentication by developing a robust Unit Test with the **Mock User Library** that refactored over 200 lines of code, improving code coverage and authentication security
- Performed weekly sprint meetings to maintain accountability for work throughout the project via technical presentations and code reviews to mentors, peers, and clients with startup company

Technical Projects

ACM Website — Next.js, Node.js, MongoDB   Oct. 2024
- Managed a group of 4 students to develop a full-stack application for ACM club to view information & submit resumes
- Worked primarily in the backend with **Node.js** to manage storage of user's information and resumes

Patient-Doctor Backend Application — Python, Django, PostgreSQL   Sep. 2024
- Built a **PostgreSQL** database storing patient's medical records, using **Django** to setup backend API

COVID-19 Data Visualization & Analysis — PySpark, Databricks, SQL   Aug. 2024
- Developed **Python** script to analyze spikes and trends of COVID-19 Deaths & Cases via visualization on **Databricks**

Hands Up: Concert Safety App — Next.js, Express.js, Node.js, PostgreSQL   Jun. 2024
- Spearheaded database implementation with **PostgreSQL**, developing a REST API for app to perform RESTful calls