NICHOLAS ARAJ

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Education

Oregon State University　　　　　　　　　　　　　　　　　　　　　　　**Sept. 2021 – Aug. 2025**
B.S. Computer Science | Applied Data Science Option　　　　　　　　　　　　　　　*GPA: 3.79*

Coursework: Algorithms, Data Structures, Operating Systems, Database Management, Data Mining & Machine Learning, Web Development, Cloud App Development, Parallel Programming, Computer Networks, Cybersecurity, Software Engineering Principles, Architecture & Assembly Language, Linear Algebra, Discrete Mathematics, Statistics

Work Experience

Seeq Corporation　　　　　　　　　　　　　　　　　　　　　　　　　　**June 2025 – Present**
Software Engineer Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Remote*

- Improved industrial analytics capabilities by streamlining updates to specialized **Python** plugin packages supporting the tracking and analysis of **400,000+ assets and processes** across global deployments.
- Enhanced process data analysis for **600+ global customers** by extending functionality in the **SPy SDK** integrated into **Seeq Data Lab** and **Seeq Workbench**.
- Accelerated workflow automation and extensibility across Seeq by contributing to full-stack features using **React**, **TypeScript**, **Python**, **Java**, and **Kotlin**.

Intel Corporation　　　　　　　　　　　　　　　　　　　　　　　　　**April 2024 – June 2025**
Software Engineer Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　*Aloha, OR*

- Contributed to a 5–10 person team developing the **Manufacturing Readiness Indicator**, a web application built with **Django**, **Angular**, and **Microsoft SQL**, utilized annually by **1,100+ Intel Foundry** managers and stakeholders to enhance operational reporting and tracking.
- Delivered frequent full-stack updates across admin tools and UI components, including new features, performance improvements, exportable data options, and enhanced accessibility — helping boost user engagement by **190%** and cut load times by **40%**.
- Independently designed and deployed a **Python**-based analytics system that scrapes **Django logs** and queries Intel's employee database to track app usage by **location**, **time**, and **failure metrics**, visualized in a real-time **Plotly/Angular** dashboard accessed by **20+ developers and managers**.
- Improved system reliability for the **Manufacturing Readiness Indicator** by monitoring API response times and user activity trends, enabling faster identification of performance anomalies and crash-prone endpoints across **10+ countries**.

Projects

Healthcare Cost Transparency App　　　　　　　　　　　　　　　　　　　**Sep. 2024 – Present**
Django | Next.js | PostgreSQL | OpenAI API

- Built a full-stack app with **Django**, **Next.js**, and **Supabase** to simplify **MRF** data from major Pacific Northwest insurers, enabling chatbot and map search of **100,000+** pricing entries across **150+** CPT codes with exportable tables.
- Enabled natural language queries over **PostgreSQL**, protected user auth, and geographic provider search across over **2 million providers** via **OpenAI API**, **Supabase Auth**, and **Mapbox**.

Tarpaulin Course Management Tool　　　　　　　　　　　　　　　　　　**May 2024 – Jun. 2024**
Python | Google Cloud | Auth0 | REST API

- Engineered a role-based course management API on **Google App Engine** with **Flask** and **Datastore**, implementing **13 comprehensive endpoints** for users, courses, and enrollments with cursor-based pagination.
- Enabled secure session control and media storage via **Auth0** (**JWT auth**) and **Google Cloud Storage**; validated all functionality with a comprehensive **Postman** testing suite.

Technical Skills

Languages: Python, TypeScript, JavaScript, SQL, Kotlin, Java, HTML/CSS, C/C++, R
Frameworks & Libraries: Django, React, Next.js, Angular, Node.js, numpy, pandas, Plotly, Matplotlib
Databases: Microsoft SQL Server, PostgreSQL, SQLite, MongoDB, MariaDB
Tools & Technologies: Git, Jira, Azure, Supabase, Docker, Postman, Unix/Linux, Agile, Unit Testing

Leadership & Activities

Multiple Engineering Cooperative Program (MECOP) intern at Intel and Seeq; held leadership roles in Phi Kappa Psi, including Head of Community Service and Alumni Relations.