


NICHOLAS ARAJ

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Education

Oregon State University

Expected Summer 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

- Enhancing the **Seeq Python (SPy) SDK** using **Python**, **Kotlin**, and **Java** to expand automation and extensibility features across enterprise workflows.
- Integrating **RESTful APIs** and **Docker-based microservices** to streamline internal pipelines and customer toolkits.
- Contributing to plug-in maintenance and feature development with **TypeScript** and **full-stack patterns**, improving modularity and developer onboarding.

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**, used 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 scraped **Django logs** and queried Intel's employee database to track app usage by **location**, **time**, and **failure metrics**, visualized in a real-time **Plotly/Angular** dashboard used by **20+ developers and managers**.
- Enabled visibility into performance anomalies and crash-prone endpoints by monitoring API response times, user activity trends, and adoption across Intel's global campuses.

Projects

Healthcare Cost Transparency App

Sep. 2024 – Present

Django | Next.js | PostgreSQL | OpenAI API

- Developing a healthcare cost transparency app using **Python**, **Django**, **Next.js**, and **OpenAI API** to parse and simplify complex **JSON** healthcare pricing data.
- Features include a chatbot, cost map visualizations, and exportable data via **Supabase-hosted PostgreSQL**.

Tarpaulin Course Management Tool

May 2024 – Jun. 2024

Python | Google Cloud | Auth0 | REST API

- Built and deployed a secure, role-based course management REST API with **13 endpoints** on **Google App Engine** using **Python** and **Google Datastore**.
- Implemented **JWT-based authentication** with **Auth0** and cloud file storage via **Google Cloud Storage**; supported avatar uploads, course enrollment, and full CRUD functionality.
- Designed data models and deployed a scalable API backend for admins, instructors, and students.

Technical Skills

Languages: Python, JavaScript, SQL, TypeScript, Kotlin, Java, HTML/CSS, C/C++, R

Frameworks & Libraries: Django, Angular, React, Next.js, Node.js, Django Rest Framework, numpy, pandas, Plotly, Matplotlib

Databases: Microsoft SQL Server, PostgreSQL, SQLite, MongoDB, MariaDB

Tools & Technologies: Git, Jira, Docker, Azure, Supabase, SDKs, Unix/Linux, Agile, Unit Testing

Leadership & Activities

MECOP intern at Intel and Seeq; held leadership roles in Phi Kappa Psi, including Head of Community Service and Alumni Relations.