

Cedric Nagata

cedric.nagata@gmail.com | 425-691-7180 | linkedin.com/in/cedric-nagata | www.cedricnagata.com

University of Washington

Seattle, WA

BS in Computer Science, GPA: 3.71/4.0

June 2024

Relevant Coursework: Web Development with ASP.NET and C#, Data Structures and Algorithms, Data Management & Querying, Operating Systems, Distributed Systems, Artificial Intelligence, Networks, Computer Security, Computer Vision

Experience

Tyler Technologies

Product Analyst Intern

June – September 2023

- Engineered a secure, UUID-based, document-sharing feature with Django, Python, and Form.io, enabling clients outside the Tyler Tech Org to securely exchange form submissions
- Created an urgent splash messages feature using Django & Python for a Tyler Public Safety client
- Championed Agile development processes utilizing JIRA and Confluence, comprehensive code reviews, daily stand-ups, and retrospectives through the full software development lifecycle

Tyler Technologies

Product Analyst Intern

June – September 2022

- Created a data pipeline with Python and AJAX for querying an Elasticsearch database, streamlining the data retrieval process significantly
- Used Docker to set up a local development environment with connected images for Django, Form.io, Elasticsearch, and PostgreSQL, cutting setup times significantly

Skills & Projects

Skills: Python, C#/.NET, ASP.NET, HTML, SQL, CSS, JavaScript, Java, C, C++, Django, React, Docker, Git, PostgreSQL, Elasticsearch, Linux

UW Campus Map Pathfinder (Java, React, HTML)

- Created a custom graph structure using Java to support nodes, direction, and path weight
- Gathered UW campus data and created a campus map accurate to the square foot
- Used Dijkstra's algorithm to parse paths and provide a fastest route between two locations
- Used React and HTML to host the map and path finder on a local web application

Flight Service App (Java, SQL, Azure)

- Designed and coded a Flight Service App supporting functions for creating users, secure logins, searching for flights, creating itineraries, booking flights, and storing reservations
- Created a Java backend and used SQL to query against a flight database in Microsoft Azure
- Implemented concurrency to rollback conflicting commits and ensure no double bookings

DERM DX (Python, Flutter, Dart.io)

- DERM DX is a mobile application that allows users to take a photo of a skin lesion from their camera and find out if the lesion is benign or malignant within seconds
- Trained a 34-feature model with a Convolutional Neural Network to classify skin lesions as benign or malignant considering age, sex, and diagnosis type with 99.1% accuracy in testing
- Collected and processed 44,033 images of skin lesions from the ISIC public archive for training

Leadership

UW Society for Advanced Rocket Propulsion (SARP) – ACS Project Lead

2021 – 2023

- Led a team in developing advanced control systems for a hypergolic rocket
- Employed Python and MATLAB to process critical flight data and enhance rocket stabilization above 30,000 ft