

Ngoc 'Dewey' Nguyen

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TECHNICAL SKILLS:

- Programming Languages: C++, C#, Java, Python, SQL, HTML, CSS
 - Concepts: Data Structures, Algorithms, Management, and Software Engineering Processes
 - AWS: Lambda, EC2, ECS, Batch, DynamoDB, S3, CloudFormation, API Gateway and CloudWatch
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EDUCATION:

BS in Computer Science and Software Engineering (June '20)

University of Washington Bothell (Bothell, WA)

WORK EXPERIENCE:

Software Development Engineer (July '20 - Present)

Amazon, Last Mile AMZL, Route Planning (Bellevue, WA)

- Owns multiple Tier-1 services to create routes for million of packages every day
 - Route Planning guarantees to provide a route plan for station with an SLA of under 30 minute
 - Currently operating under multiple regions (NA, EU, IN and JP) with different business use cases
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COURSEWORK:

Operating Systems, Database Systems, Computer Simulation, Computer Networking, Principles of Human-Computer Interaction, Data Structures and Algorithms, Analysis and Design, Technical Writings

PROJECTS:

Food Truck Finder (Java):

- Android-based application using Google Map SDK to pinpoint locations
- Used Google Firebase to authenticate users, and store data using the Firebase Realtime Database
- Used Geofire to query search results and update them in real time inside the database.

Twitter Sentiment Analysis (Python):

- Worked with Twitter data; created a parser to read through JSON files from Twitter
- The program generates a map that indicates the average sentiment score for each state in the U.S

Parking Lot Simulator (Python):

- A Monte Carlo simulation using random numbers to simulate the congestion of UW Bothell parking lots
 - Scraped data from the school class schedules to generate an appropriate distribution for RNGs
 - Object-oriented with rooms to expand in the future
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ACTIVITIES:

Vietnamese Student Association (Western Washington University in Bellingham, WA)

Secretary (Sept '15 - June '16):

- Organized officer meetings weekly
- Developed meeting agendas weekly
- Record-keeping (attendance, budgeting)

Vice President (Sept '16 - June '17):

- Led a 10-man team throughout the school year
- Organized general meetings weekly
- Coordinated projects with the school administration