

# Eliseo Nathaniel Ruiz Nowell

AWS SDE | Computer Engineering Graduate | University of Waterloo

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## LINKS

### PORTFOLIO:

<https://ece.uwaterloo.ca/~enruizno/>

### GITHUB:

<https://github.com/NathanielRN>

### LINKEDIN:

<https://www.linkedin.com/in/nathanielruiz/>

## SKILLS

### PROGRAMMING

Python • Java • JavaScript • Rust •

C# • C/C++ • Swift • Ruby

### TECHNOLOGIES

git • AWS • MySQL • Linux •

node.js • jupyter • HTML5 • CSS •

XML • MatLab

### FRAMEWORKS

numpy • PyTorch • TensorFlow •

iOS • wpf • Android • Mocha

### LANGUAGES

Spanish (Fluent) • French (Fluent)

Mandarin Chinese (Intermediate)

### TECHNICAL

AWS Cloud Practitioner Certificate

• Level 9 RCM Piano Practical Exam

with Honours • RCM Advanced

Rudiments Theory

### INTERESTS

Half Marathon Runner • Chinese

Calligraphy • Pilates • Tutoring

### VOLUNTEER

Church App Developer • Worship

Team Piano Player • ECE Mentor

### EDUCATION

#### UNIVERSITY OF WATERLOO

B.A.Sc. in Computer Engineering

w/ Option in Artificial Intelligence

Completed June 2021 • CGPA 90%

## EXPERIENCE

### Amazon AWS X-Ray | SOFTWARE DEV ENGINEER.

June '21 – Present

Python, bash, Java, AWS, JavaScript, Docker, GitHub Actions, Ruby, Go, YAML

- › Modularized 6-hour [performance tests using docker containers](#) used in 6 OSS repos
- › Reworked release CI to support ARM architecture [for popular Otel Lambda Layers](#)
- › Wrote [technical posts](#) and design docs teaching users advanced tracing concepts
- › [Merged fixes in OSS library](#) to solve issue in team CI thereby reducing code debt
- › Commended by clients and team for meticulous handling of on-call responsibilities

### Amazon | SOFTWARE ENGINEER INTERN

September '20 – December '20

Python, OpenTelemetry (OTel), Java, Go, AWS, X-Ray, Docker, GitHub Actions, YAML, bash

- › Split OTel Python project into Core/Contrib repositories [over 90+ pull requests](#)
- › Released Python package to [make OTel SDK traces compatible](#) with AWS X-Ray
- › Leveraged Docker to [create Sample Apps](#) showcasing Otel and AWS compatibility
- › [Incorporated automated benchmarking](#) tests to OTel Python GitHub Actions workflow
- › Presented POCs to OTel Python SIG stakeholders and internally to Amazon engineers

### Newfront Insurance | FULL STACK INTERN

September '19 – December '19

Typescript, node.js, Heroku, Datadog, Postgres, Salesforce SQL, CricleCI, React

- › Added Auth-N/Auth-Z for all endpoints coupled with redesigned Integration Tests
- › Owned FrontEnd changes using React and node.js to improve Backend performance
- › Ran Salesforce and Postgres SQL queries to quickly repair data integrity issues
- › Learned about Cookie Security quickly to enable SSL validation on all website traffic
- › Built Datadog Metrics Dashboard using tagging to pinpoint node website bottleneck

### Electronic Arts | .NET DEVELOPER INTERN

January '19 – April '19

C#, Python, Visual Studio, Wpf, XAML, C++, Frostbite, Maya

- › Led Audio Mixer Tool UX refactor and optimized C# datasource to UI synchronizer
- › Updated Cinematics Timeline Track with cross-module data synchronizing listeners
- › Individually completed a Level Asset .fbx Exporter for Frostbite Video Game Engine
- › Linked Level Asset Exporter to Maya as UI extension which was praised by artists
- › Wrote C++ Audio Mixer serializer for use in Frostbite Game Pipeline build routine

### Splunk> | iOS + BACKEND DEVELOPER INTERN

May '18 – August '18

Swift, git, XML, Python, CocoaPods, RealmDB, Splunk>, Yarn, twisted

- › Engineered iOS UI Layout "CSS-like" library which improved UI development time
- › Integrated local storage using RealmDB with thread safe async multithreading design
- › Displayed new alerts from Firebase remote notifications using the Observer Pattern
- › Included async handlers in Python to process mobile requests on client dashboards
- › Combined key-value-store with Splunk> API to serve CRUD requests from clients

### YAHOO! | BACKEND DEVELOPER INTERN

September '17 – December '17

node.js, MySQL, express, AWS, Python, YAML, Mocha, Memcached, Swagger

- › Developed node.js CRUD handlers for MySQL database modification and retrieval
- › Created Python file I/O methods to populate .tsv files with series and episode items
- › Used AWS CloudSearch to facet and filterQuery S3 buckets, used Elastic BeanStalk together with SQS to queue automatic async server requests on SSL enabled HTTPS
- › Finished episode stream SQL fetch tool with retries and queries for pagination/limits
- › Introduced asset crawl validation with YAML swagger files and Mocha system tests