

# RYAN ONG

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## WORK EXPERIENCE

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### Application Developer - Cloud Consultant

January 2025 – Current

*Amazon Web Services* 🔗

Herndon, VA

- Leading design discussions and development of new features and application modernization using AWS
- Supporting adaptive customer requirements while having delivered for over **50+** tickets
- Preparing documented issues technical solutions for team visibility and posterity
- Delivering on items related to infrastructure, full-stack development, and security reviews
- Designing modular, flexible, and well-architected solutions to technical challenges

### Cloud Consultant Intern

May 2024 – August 2024

*Amazon Web Services* 🔗

Herndon, VA

- Implemented infrastructure and connections to multiple AWS Services to build out a search engine
- Designed an architecture diagram and led team workflow/development processes and schedule
- Developed re-usability, CI/CD, and portability of a product after meeting core deliverables
- Aligned separate teammate's pieces of work and mentored software development design and best practices

### Cloud Engineer Co-op

September 2023 – December 2023

*Vanguard* 🔗

Malvern, PA

- Using **AWS Lambda** and other cloud services to develop full stack solutions
- Engineered a YAML duplicate key checker to prevent developer mistakes during a build, saving about **20+** hours of debugging plus platform support a week with behavioral driven testing
- Brainstormed a language agnostic solution to query JSON files for future platform tools
- Developed an end-to-end, internal Python library to cut down **thousands** LOC of duplicated logic

### Software Engineer Intern

June 2023 – August 2023

*M&T Bank* 🔗

Buffalo, NY

- Designed and developed a centralized hub with **Angular/Spring Boot** to hold internal bank applications
- Built authentication and authorization microservice with **Azure AD/LDAP** and connection to a **SQL database**
- Reduced tech debt by optimizing a web form and connected over **90** form entries to database endpoints
- Iterated through a full production cycle: design document, development, testing, user feedback, deployment

### CS Homework Grader

August 2022 – December 2022

*RIT, Computer Science Department* 🔗

Rochester, NY

- Prepared weekly Python **scripts** and grading scales to automate the grading of 47 students' homework assignments in the course Computational Thinking/Problem Solving (Python)
- Boosted my ability to give effective and detailed feedback to explain technical concepts

### Computational Physicist Research Intern

May 2022 – July 2022

*Tufts University* 🔗

Middlesex, MA

- Worked within a team of 5 developers and 8 polymer researchers to simulate the wetting phenomena through a replicated contact angle experiment by developing a shape optimization program using **Morpho**
- Presented my theoretical results and program to a group of **30**, made up of the Tufts Polymer Research Team, chemical research professors, and graduate student researchers

## PROJECTS

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### Qwerkey E-store | *Java, Spring Boot, Angular, MongoDB, Git*

January 2023 – August 2023

- Developing a ground-up web-facing e-commerce platform to sell keyboard parts at the criteria of a Product Owner using an Agile methodology and Angular/Spring Boot/REST API, won **best group** out of 40 people
- Configured all machines and led Git development along with **MongoDB** integration/connection

## EDUCATION

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### Rochester Institute of Technology

Rochester, NY

*BS in Computer Science - GPA: 3.82*

August 2021 – December 2024

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, C++, Shell, JavaScript, TypeScript, SQL

**Technologies/Frameworks:** Linux, Git, GitHub, GitLab, Angular, React, Spring Boot, CSS, HTML, Bootstrap, JavaFX, AWS

**Certifications:** *AWS CCP, AWS SAA, AWS DVA, AWS AIP, AWS MLA, AWS DEA, AWS SAP*