

RICHARD JIANG

Software Engineer | Computer Science Educator

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WORK EXPERIENCE

Software Engineer Intern

Microsoft Corporation

📅 06/2019 – 09/2019

📍 Seattle, WA

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Software Development Engineer Intern

Amazon Web Services

📅 06/2018 – 09/2018

📍 Seattle, WA

- Designed a control plane and system of records with a focus on scalability and maintainability
- Implemented my design with AWS Lambda, S3, APIGateway, CloudFormation, and other related services
- Developed code with an emphasis on the SOLID principles
- Ensured maintainability of the code with unit test using the JUnit and Mockito frameworks
- Deployed code uniformly across varying environments using continuous deployment tools
- Overall, the project will save 10+ maintenance hours a week while improving the customers experience

Teaching Assistant

University of Washington

📅 09/2018 – Present

📍 Seattle, WA

- Taught a curriculum of data structures, algorithm analysis, and parallelism.
- Led a weekly session of 30 students and communicated topics concisely
- Worked with students one on one through weekly office hours

PROJECTS

InstaMessage

- Created an authentication portal through a RESTful API using Node.js and the Express framework
- As a part of the API, used Knex.js to query and manipulate our database

Deal-Finder

- Developed an Alexa skill to find deals using the Alexa Skills Kit
- Designed our model to be interactive with intents, slots, and synonym
- Used Node and AWS Lambda for the backend support of the skill

EDUCATION

B.S. in Computer Science

University of Washington

📅 09/2016 – 06/2020 📍 Seattle, WA

- 3.90 Cumulative GPA
- Dean's List (All Quarters)

COURSEWORK

- Discrete Math for Computing
- Statistics for Computing
- Matrix Algebra with Applications
- Software Design & Implementation
- Data Structure & Parallelism
- Systems Programming
- Data Visualization
- Data Management
- Operating Systems
- Computer Networks
- Machine Learning
- Algorithms

SKILLS & KNOWLEDGE

Programming Languages

- | | |
|--------------|--------------|
| • Java | • C |
| • Python | • C++ |
| • JavaScript | • HTML & CSS |
| • R | • YAML |
| • SQL/SQL++ | • Datalog |

Libraries & Frameworks

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|--------------|--------------|
| • JUnit | • Mockito |
| • Lombok | • Angular.js |
| • Express.js | • Knex.js |
| • D3.js | • jQuery |
| • Node | |

Tools & Platforms

- | | |
|--------------|------------|
| • \LaTeX | • Git |
| • AWS | • Unix CLI |
| • SQL Server | |