

Richard Jiang

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EDUCATION

UNIVERSITY OF WASHINGTON

BACHELOR OF COMPUTER SCIENCE

Sept 2016 - June 2020 | Seattle, WA

Cum. GPA: 3.91/4.00

- Dean's List (All Quarters)

COURSEWORK

UNDERGRADUATE

Software Design & Implementation

Data Structures & Parallelism

The Hardware/Software Interface

System and Software Tools

Data Visualization*

Systems Programming*

Matrix Algebra

{*Planned for Autumn 2018}

SKILLS

LANGUAGES

Experienced

- Java
- JavaScript
- C

Proficient

- C#
- R
- HTML5
- YAML
- \LaTeX

FRAMEWORKS

Experienced

- Lombok
- JUnit
- Mockito

Proficient

- Express.js
- Knex.js
- Angular.js

DEVELOPMENT

- Git Version Control
- Scrum Experienced

PROFESSIONAL EXPERIENCE

AMAZON WEB SERVICES | SOFTWARE DEVELOPMENT INTERN

June 2018 - September 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

UNIVERSITY OF WASHINGTON | COMPUTER SCIENCE TA

September 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 FOR NON-PROFITS | APRIL 2018 | COLOURHOOD

- Collaborated and communicated with a team of designers, front and backend developers
- 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 | JULY 2018

- 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

HIRECS.COM | OCTOBER 2017

- Used HTML and Angular to create an interactive online event calender for other students
- Reduced maintenance of site by using a JavaScript wrapper to update events based on the current date

ORGANIZATIONS

2018	Member	Colourhood
2017	Member	UW Association of Computing Machinery
2016	Member	Chinese Student Association
2016	Member	University of Washington Tennis Club