

# JIN CHANG

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## EDUCATION

**University of Washington** Seattle, WA | June 2019

B.A., Geographical Information Systems (GIS), Minor in Informatics

**Relevant Coursework:** *Computer Science: Java I & II, Database Structures and Algorithms, Software Architecture, Cooperative Software Development, Client-Side Web Development, Design Thinking, Introduction to Database Programming, Data Science Methods, Coastal GIS*

## EXPERIENCE

**Front-End Developer, Statewide Poverty Action Network**

Seattle, WA | April 2019 – July 2019

- Developed a web map application using VueJS, NodeJS, HTML, and CSS
- Initiated and integrated the force load event into the splash page to load automatically in 30 seconds
- Created an automated web scraper via the Selenium library and parsed the data with Python scripts
- Tested and troubleshooted technical issues

## PROJECTS

**Front-End Developer, IceBreaker**

Seattle, WA | April 2019 – July 2019

- Oversaw the development of a new web application via ReactJS, Firebase, NodeJS, HTML, and CSS
- Implemented 2 different front-end features where the user can either join an existing game or create a new game
- Pushed app development two weeks ahead of schedule through unit, UI, and integration tests
- Conducted code reviews for each module

**Data Analyst, U.S. Exports**

Seattle, WA | February 2019 – March 2019

- Collaborated and developed a Shiny App that displays an analysis of U.S. top export products via R
- Created two interactive choropleth map visualizations and a dropdown menu displaying all the export products
- Troubleshooted technical bugs that prevented deployment and successfully hosted the app on the shinyapps.io

**Software Developer, CAD MVC**

Seattle, WA | May 2019

- Developed a computer aided design program where someone can design the architecture of a block house or similar scale via TypeScript
- Dynamically allow users to have different modes of interaction by implementing the MVC and Observer pattern
- Applied the SOLID principle to reduce cohesion and coupling

**Software Developer, Search Engine**

Seattle, WA | April 2018 – May 2018

- Created a dictionary data structure and its associating get, add, remove, and contains methods in Java
- Utilized quality assurance testing tools such as JUnit to address algorithmic issues
- Modified the code to handle more than 100,000 cases under 7 seconds

## SKILLS

### Technical Skills

*Advanced:* Java, Python, HTML, JavaScript, ReactJS, VueJS, R, CSS

*Intermediate:* NodeJS, TypeScript, Junit, Firebase, Heroku, Version Control (GIT), Selenium

*Beginner:* AWS, SQL

### Tools

*Advanced:* Figma, PowToon, Tableau, QGIS, ArcGIS, Jupyter Notebook