

# William Qin

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## EDUCATION

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**UNIVERSITY OF MARYLAND**  
B.S., Computer Science  
B.S., Mathematics and Economics

May 2020 | College Park, MD

GPA: 3.4/4.0

## SKILLS

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### Languages

Java · Python · R · SQL · C · MATLAB · SAS · HTML/CSS · JavaScript

### Relevant Coursework

Database Design · Advanced Data Structures · Artificial Intelligence · Computational Methods ·  
Advanced Algorithms · Advanced Calculus · Econometrics · Functional Programming · Game Theory ·  
Statistical Computing · Probability Theory

## EXPERIENCE

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### Fannie Mae

Reston, VA

#### Software Engineering Intern

Jun 2019 – Aug 2019

- Developed tool to visualize dependencies on DDN using D3.js and built Rest API for it to communicate with the front-end using Python/Flask.
- Built web app and dashboard to generate monthly trends and projections using R Shiny.
- Designed and built enterprise report/resource page using JavaScript/React.

### Federal Deposit Insurance Corporation (FDIC)

Washington, DC

#### Research Intern

May 2017 – Aug 2017

- Extracted and analyzed historical interest rate data from all U.S. bank branches since 2007 for ~50 consumer products. Compiled database and performed modeling and analysis with pandas/python.
- Worked in Financial Modeling & Research team to analyze call reports, performance metrics, and deposit insurance data.

### Millennium Challenge Corporation

Washington, DC

#### Intern

Jun 2016 – Aug 2016

- Created program which uploaded and displayed metrics and documents (financial reports, congressional notices) for company-wide analytics.
- Built user acceptance testing for progress report and scorecard submission application.
- Developed process models for workforce management and practiced agile in two-week sprints.

## PROJECTS

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### Live Earth

Takes images of Earth gathered from NOAA's database and merges them with images taken from GEOS-16 and Himawari-8 satellites to create a 360-degree live satellite view of the Earth.

### Waitlist Skipper

Notifies you with text messages when a class has an opened seat and skip the waitlist in the process.

### What to Play

Application to help players decide which character to play using information gathered from Riot Games' API for the game League of Legends.

### Dropdown

Developed top-down Java survival game in which players must maneuver around obstacles and onto various platforms without falling to their demise.

### Six Degrees of Kendrick Perkins

Created a program in Java that allows users to search for an NBA player's Perkins number and the degrees of separation between players.