

# WILLIAM QIN

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## EDUCATION

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### University of Maryland, College Park

Bachelor of Science, Computer Science; Mathematics; Economics

May 2020

GPA: 3.4/4.0

## SKILLS

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### Languages

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

### Relevant Coursework

Algorithms · Data Structures · Advanced Calculus · Discrete Structures · Computational Methods ·  
Functional Programming · Statistical Computing & Probability Theory · Econometrics & Capital Markets

## WORK EXPERIENCE

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### Fannie Mae

Reston, VA

*Software Engineering Intern*

Jun 2019 – Aug 2019

- Developed tool to visualize dependencies on DDN Storage using D3.js/Matplotlib and deployed with Python/Dash.
- Built web app to generate monthly trends and projections using R Shiny.
- Designed and coded front end of enterprise data and modeling report/resource page using JavaScript/React.

### Federal Deposit Insurance Corporation (FDIC)

Washington, DC

*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.
- Collaborated with 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.
- Owned and 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

August 2018 | Washington, DC

- Program that takes live images of Earth gathered from NOAA's database and merges them with different images taken from GEOS-16 and Himawari-8 satellites to create a live satellite view of Earth.

### Waitlist Skipper

July 2018 | College Park, MD

- Notifies you with a text message if a class has an opening so you can skip the waitlist.

### What to Play

May 2018 | Herndon, VA

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

### Dropdown Game

August 2017 | College Park, MD

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

### Six Degrees of Kendrick Perkins

April 2017 | College Park, MD

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