

Matt Walters

Software Engineer

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mattwalters.me

Experience

Fannie Mae Software Engineering Intern

Summer 2019 - Washington D.C.

- Converted SAS code to Python and created a SAS-to-Python developer guide to enable my team to continue my efforts.
- Managed database entry using SQL Loader to reduce overall process time by 4 hours.

Fannie Mae Software Engineering Intern

Summer 2018 - Washington D.C.

- Automated the error-prone task of mortgage forecasting to reduce total process time from 18 days to 8.
- Collaborated to transfer Excel-based mortgage forecasting tools to Python.

Fannie Mae Software Engineering Intern

Summer 2017 - Washington D.C.

- Automated numerous development efforts by engineering a daemon to run monthly pre-processing and by writing utilities that inject developer-specified SAS code into thousands of parsed files.

College Success Scholars Team Leader

May 2017 - December 2019 - UMD

- Mentored a group of 5 African-American and Latino males to provide academic guidance.

Skills

Languages

Python

Java

Javascript

SQL

Frameworks/Tools

Flask

Bootstrap

React

Pandas

SQLite

Node

Git

JIRA

Education

University of Maryland, College Park

B.S. Computer Science, Dec. 2019 - GPA: 3.4

Minor in Tech Entrepreneurship

Projects

LoL Data Analysis Python/Pandas

December 2019

- Utilized data/machine learning tools to analyze League of Legends data.

WeCheck Python/Flask/SQLite

March 2019

- Engineered and designed a collaborative to-do list web app.

Redirectr HTML/CSS/JS

August 2018

- Developed a chrome extension for site redirects with Chrome's WebRequest API.

Coursework

Algorithms

Data Structures

Web Application Development

Human-Computer Interaction

Database Design

Data Science

Organizations

Society of Hispanic Prof. Engineers

August 2018 - December 2019

Sigma Nu Academic Chairman

May 2018 - May 2019

Android App Development Group

September 2016 - December 2017