

MATT WALTERS

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4409 Fairfield Drive

Bethesda, MD 20814

Education

University of Maryland,

DCC Honors College Program

B.S. Computer Science

Expected May 2020

Skills

Languages:

Java, Python, HTML/CSS/JS,

SQL, C, Ruby, OCaml

Frameworks/Tools:

Bootstrap, Flask, Jinja2, JQuery,

Git, JIRA, Illustrator, Sketch

Coursework

Organization of Prog. Languages

Algorithms

Intro to Computer Systems

Discrete Structures / Math

Human-Computer Interaction

Database Design

Experience

Software Engineering Intern, Fannie Mae

June 2018 - August 2018

- Automated the error-prone task of mortgage forecasting to reduce the total process time from 18 days to 8.
- Collaborated with other backend developers to transfer mortgage forecasting tools in Excel into our product's Python backend within a UNIX environment.

Software Engineering Intern, Fannie Mae

June 2017 - August 2017

- Automated many parts of development by creating a daemon to run monthly pre-processing and writing utilities to parse through thousands of files and replace/wrap specified lines of SAS code.

Team Leader, College Success Scholars, UMD

May 2017 - Present

- Maintained Excel databases to track scholar information and create reports after data analysis.
- Led a group of African-American and Latino males to provide academic guidance and support their general well-being.

Office Assistant, Office of Multiethnic Student Ed., UMD

September 2016 - May 2017

- Interfaced with the public through verbal and written communications in response to program inquiries, participants' requests, and periodic staff and program schedule updates.

Projects

Redirectr

August 2018

- Developed a chrome extension using the Chrome WebRequest API and JS to enhance the user experience with site redirection through a sleek design.

Mattwalters.me

May 2018

- Designed and programmed a personal website from scratch integrating Bootstrap and jQuery.

"SmallC" Lexer, Parser, and Interpreter

March 2018

- Engineered a lexer, parser, and interpreter using OCaml to convert a text file into a small C-like language for execution.

Organizations

Expectations Chairman, Sigma Nu, UMD

May 2018 - Present

- Ensured that group of 80+ young men met the UMD Vision and Sigma Nu National Pursuit of Excellence Requirements.

Member, Android App Dev. Group, UMD

September 2016 - December 2017

- Utilized Android Studio (Java) to begin development of an app to increase student retention and streamline weekly form submission within an on-campus organization.

Volunteer, I Can Do That Project, UMD

September 2016 - May 2017

- Tutored students from a low performing high school in Adelphi, MD