Sean McHugh

🌐 www.seanfmch.com
📱 (757) 344-0575
✉ seanfmch@vt.edu

Education

Virginia Tech, Expected Graduation May 2019
- Honors candidate for BS in Computer Science and Applied Discrete Math
- GPA: 3.88 (3.87 in CS)

Experience

Amazon Software Engineering Internship – Summer 2018
- Worked on the Amazon Go team. Developed software to compute location data for Computer Vision cameras given a store plan, and ingest this data into internal tools.
- Used C#, AutoDesk Revit, JavaScript

PIETech Software Engineering Internship – Summer 2017
- Worked with business analyst interns to create a Social Security Calculator and Life Expectancy Calculator to be incorporated in PIETech's MoneyGuidePro financial planning web software.
- Used JavaScript (Aurelia SPA framework), Python, HTML / CSS

NIST Summer Undergraduate Research Fellowship (SURF) – Summer 2016
- Worked with Dr. Jonathon Phillips on a literature review of recent research in human face-recognition regarding high-performing individuals known as "super-recognizers".
- Used R programming to analyze frequency of super-recognizers in general population.
- Asked to speak in SURF Colloquium plenary talks, and awarded Best Plenary Speaker.

Undergraduate Teaching Assistant – Fall 2017
- Selected to be a UTA for CS 3114 Data Structures & Algorithms.
- Held weekly office hours to help students with their programming projects and lecture during help sessions.

WUVT Virginia Tech Radio Station IT Staff – Spring 2017 – present
- Used Agile Development to contribute to code infrastructure at WUVT, which comprises wuvt.vt.edu, track automation, DJ interfacing, and server administration.
- Used Linux, Python (Flask framework), JavaScript, HTML / CSS

Projects

Brevity Chrome Extension (brevity.seanfmch.com)
- Created a Chrome extension that transforms articles into a more readable format by summarizing them and removing extraneous page components such as advertisements.
- Used Python (Flask framework, Newspaper API), JavaScript, HTML / CSS

Budget Calculator Web App (budget.seanfmch.com)
- Developed an online budget calculator that tracks current expenditures, forecasts 5-year inflation, and predicts necessary monthly savings for goal purchase.
- Used JavaScript (Aurelia framework), HTML / CSS

Relevant Skills

Java, C, Python, HTML, CSS (Bootstrap), R, MATLAB, LaTeX, Linux, bash shell, Windows, Mac

Honors and Awards

Dean's List, Virginia Tech, Fall 2015 – present
Honors Program, Virginia Tech, Fall 2016 – present
Best Plenary Speaker Award, NIST SURF program, 2016

Extracurriculars

ACM ICPC Programming Team
Mobile and Web Development Club
Theta Tau Professional Engineering Fraternity
Tutor in Math, Physics, and Chemistry