

Brian Smythe

(248) 804-3937

brsmythe@umich.edu

[Github Profile](#)

Programming Languages: C++, Python, Java, Assembler, SQL, Javascript

EDUCATION

University of Michigan, Ann Arbor, MI

Bachelor of Science in Computer Science

Sep 2017 - May 2021

SEPTEMBER 2017-May 2021

GPA: 3.45/4.0

Relevant Courses: Operating Systems, Computer Security, Web Systems, Database Management Systems, Cryptography, User Interface Development, Mobile App Development

SKILLS

Languages: C++, Python, JavaScript, Java, Assembler, SQL

Technologies: AWS, MySQL, Bash, Git, Postgresql, ReactJS, jQuery, Android Development, Flask, Data Structures, Algorithm Design & Analysis

WORK EXPERIENCE

BMC Software, Detroit, MI

June 2021 - Present

Associate Product Developer

- Utilized Assembler, C++, and Rexx to maintain code for multiple products used by a majority of the mainframe development team
- Enhanced product code using Agile development in order to efficiently resolve customer issues
- Collaborated with a diverse team of engineers through daily meetings to expedite product enhancements and bug fixes

Compuware, Detroit, MI

May 2020 - Aug 2020

Software Development Intern

- One of only two college students selected as a software development intern
- Gained hands-on experience with software development working alongside experienced developers on a business-critical project
- Leveraged Agile development methods, Python, and Assembler to identify patterns within data that would allow developers to more quickly diagnose software issues
- Presented a plan to company leadership which was put into development for client integration

PROJECT EXPERIENCE

The Instagram Clone

Sep 2020-Oct 2020

- Recreated a client-side social media application using **Javascript**, **Python** and custom API
- Deployed an application using AWS to provide easy external access from multiple devices

The Android App (MOVIN)

Jan 2020 - Apr 2020

- Researched a practical business model, designed a unique algorithm, and developed an original app idea in **Java** with a team for release on the Google Play Store

Computer Security - Computer Forensics

Nov 2019 - Dec 2019

- Utilized John the Ripper, Tor, and Autopsy to recover passwords and sensitive data from a hard drive to solve a fictional investigation