**Matthew Wix**

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Github- <https://github.com/MWix123/>

**Education**

**Bachelor of Science in Computer Science & Applied Mathematics August 2020**

Florida State University (FSU), Tallahassee, FL Overall GPA: 3.97

**Technical & Language Skills**

Programming Languages: **C++, C, Java, HTML, CSS, JavaScript, Python, VBA, SQL**

Platforms: **Linux, Microsoft Windows, Apple (Mac)**

Microsoft Office Suite: **Word, Excel, PowerPoint, Access**

**Related Experience**

FSU Office of Financial Aid, Tallahassee, FL

**Technical Support Specialist August 2018 – Present**

* Revamp and maintain Florida State University’s Financial Aid Webpage (<https://financialaid.fsu.edu/>)
* Used Microsoft Excel to create custom spreadsheets and pivot tables to extract data
* Develop and maintain database for tracking office hardware information using Microsoft Access
* Develop metric charts and graphs for presentations and statistical analysis
* Provide technical support and troubleshooting to 20-30 employees with hardware and software issues
* Design documents, infographics, and financial guides

**Projects**

**Financial Data Extraction**

* Implemented a custom spreadsheet with VBA that significantly improved the FSU Financial Aid Accounting department’s productivity by streamlining the process of extracting financial data

**Budget Worksheet**

* Created a Budget Worksheet for FSU’s Office of Financial Aid (<https://financialaid.fsu.edu/sites/g/files/upcbnu646/files/Forms/2019/FSU%20-%20Budget%20Worksheet.pdf>)

**High School NJROTC website**

* Developed and maintained high school’s NJROTC website (<http://www.fchs-njrotc.org/>)

**Big Integer Class**

* Created a Big Integer class in C++ capable of supporting numbers with up to 2^64-1 digits (<https://github.com/MWix123/BigInteger-Class-Project->)

**Education-Related Experience**

**Data Structures and Algorithms Project August 2018 – December 2018**

* Used C++ to write a program to convert from infix to postfix expressions using a stack data structure.

**Object-Oriented Programming January 2018- May 2018**

* Understood the Object-Oriented Programming concepts and C++ techniques.
* Implemented Sieve of Eratosthenes algorithm operating on single bits for memory savings.
* Familiarized with Linked List data structure.

**Certifications**

CIW Web Design Specialist **April 2017**

Video Communication Using Adobe Premiere Pro CS6 **April 2017**

**Involvement**

FSU Association for Computing Machinery (ACM) **August 2017 – Present**

* Attended and participated in collegiate programming contests while working alongside students from other universities to create one of a kind projects in a designated period of time.