William B. Vaught

Atlanta, GA | wvaught3@gatech.edu | U.S. Citizen

Objective

First-year Computer Engineering major with strong communication skills and team-working experience. Outgoing and adept to working in high-paced environments and debugging software security risks. Real-world job experience in web security and development. Seeking a co-op in the cybersecurity field for Fall 2021.

Education

Georgia Institute of Technology | Atlanta, GA *August 2021 – Present*
Bachelor of Science in Computer Engineering, GPA N/A Expected Graduation, May 2025

Milton High School | Milton, GA *August 2017 – May 2021*
GPA 99.88/100

Skills

Programming: Java (proficient), HTML/CSS (proficient), JavaScript (intermediate), C# (intermediate), SQL (intermediate)
Software: XCode, Visual Studio, Azure DevOps, GitHub
Communication: Design proposals and presentations (large and small audiences)
Languages: English (native)

Experience

ServTrax, Inc. | Cumming, GA *May – August 2021*
Software Development and User Interface (UI) Design Intern
Asset management company utilizing cloud-based servers to display sensitive data to users on secure webpages.

- Redesigned 24 web pages to use new UI design philosophies through the implementation of Bootstrap and Select2 CDNs.
- Conceived a new website designed to track cloud-based services based on API calls with graphical and text-based displays.
- Programmed SQL stored procedures and jQuery calls to send data between users and the database.

Compliance Solutions | Alpharetta, GA *May – August 2019*
Business Automation Intern
Small health insurance company focused on COBRA and Adoption & Infertility benefits

- Analyzed current workflows to find tasks to be automated by a computer.
- Wrote 5 VBA macros to automate transitioning large data in Excel to an individualized Word document for each line item.
- Increased efficiency of the company by approximately 60%.

Relevant Coursework

Digital Systems Design: Produced desired logic functions in truth-table, schematic, and algebraic forms. Understand physical implementations of digital logic. Used multiplexers and encoders to build larger digital devices. Understand digital storage and sequential logic and be able to create finite state machines. Created simple programs in assembly code.

Object-Oriented Programming: Utilize object-oriented languages features like statically typed variables; encapsulation, inheritance, and polymorphism; event-driven programming principles as they apply to graphical user interface (GUI) programs; recursive definitions of algorithms and data structures; “Big-O” run time analysis of algorithms; basic algorithms for searching and sorting; and basic data structures.

Leadership

Milton Student Council | Milton, GA *August 2020 – May 2021*
President

- Planned large-scale events in coordination with many different vendors and companies.
- Spoke at large 1000+ person gatherings as a representative of the school.
- Represented the student body in administrative meeting to advocate for improvements to the school such as new water fountains and more efficient announcement of important school information.