

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 a quick-learner adept to working in high-paced environments. Real-world job experience in web security and development with project experience in hardware development. Seeking a co-op in the cybersecurity field starting Spring 2023.

Education

Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Computer Engineering, GPA 4.00

August 2021 – Present

Expected Graduation, May 2025

Skills

Programming: Java (proficient), HTML/CSS (proficient), JavaScript (intermediate), C# (intermediate), SQL (intermediate)

Software: XCode, Visual Studio, Azure DevOps, GitHub

Hardware: Oscilloscope, Soldering, 3D-Printing, Arduino

Communication: Design proposals and presentations (large and small audiences)

Languages: English (native)

Experience

Georgia Tech ECE Labs | Atlanta, GA

January 2022 - Present

Laboratory Technician

All the labs for students in the School of Electrical and Computer Engineering

- 3D-print, solder, machine, and design various parts to be used by professors and labs.
- Organize and maintain several labs with inventory systems for electronic components.
- Instruct peers in labs on the topics of circuit diagrams and breadboard prototyping.

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%.

Projects

Electric Skateboard: Built a fully functioning electric skateboard with custom battery and BMS. Soldered over 70 components. Observed current draws of different electrical components with an oscilloscope. Utilized CAD software to design 3D-printable enclosures for the electronics.

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.