Zachary R. Handel

Email: zachary.handelzh@gmail.com
Phone: 256-947-1235
GitHub: https://github.com/ZacharyHandel

Objective

    Full-time Computer Science student graduating in May of 2024 seeking a full-time position to gain experience within software development, cybersecurity, and related fields, gain a security clearance, and continue to develop experience in customer and team interactions and relationships.

Skills

Languages:
- C++, C, C#, Visual Basic, JavaScript, Python, SQL, HTML, CSS, Visual Basic, PHP, SQL, Ruby, R, TypeScript

Applications and Frameworks:
- Visual Studio, Visual Studio Code, Code::Blocks IDE, VIM, Unity, DEV-C++, MariaDB, ASP.NET, Flask, Node.js, React.js, Next.js, Swagger, Tailwind CSS, Bootstrap, Supabase, MySQL, MariaDB, Git, GitHub, Gitea, Microsoft Office, Google Workspace, Jira, Sony Vegas; Familiar with MATLAB

Operating Systems:
- Experienced in Windows; Comfortable with Linux (Kali, Ubuntu)

Other Skills:
- Experienced in creating databases for web applications; strong knowledge of PC hardware components; familiar with secure software development processes and techniques; knowledge of MVC software design; experience in agile software development; experienced in web API development using .NET Core; knowledge of computer architecture; knowledge of basic computer networking topics

Education

University of North Alabama (Class of 2024)   *August 2020-May 2024*
Bachelor of Science in Computer Science; Minor in Cybersecurity
GPA: 3.30

Related Work Experience

Intern for SimAuthor at Peraton   *Summer 2022*
- Did database testing and entry with Microsoft Access
- Consolidated desktops and desktop components
- Created CAT-5 wires for field use
- Did ethernet wire networking through the office building
- Learned about troubleshooting and basic IT skills
- Did software testing with FlightViz and FlightAnalyst flight training simulation software

Front End Developer for DigiSigns   *April 2023-May 2023*
- Develop the front-end and sales application of the company's website using Next.js
- Fix issues related to the website and sales application

Engineering Intern for nSide|The School Safety Platform   *May 2023-Current*
- Participated in agile software development to document and fix active bugs and develop active features for the company's platform frontend and backend (Visual Basic/C#) using the .NET framework
- Learned about API development through .NET Core (C#)

Leadership Experience

Resident Advisor for University of North Alabama Housing and Residence Life *Summer 2022 - May 2024*
- Resident Advisor for 2,000+ students
- Resident hall tour guide for incoming students
- Write incident reports for student conduct
- Create a community within resident halls

Secretary of Alpha Mu Lambda Fraternity *Fall 2020 - Spring 2022*
- Controlled and designed the active budget for the fraternity
- Controlled and organized the fraternity's files
- Documented all brotherhood meetings and hearings

Director of Administration for the UNA Independent Greek Council *Spring 2021 – Fall 2022*
- Director of 5 different Greek chapters
- Controlled and designed the council's budget
- Studied and proposed changes to the council's constitution
- Attended the 2022 Southeastern Greek Leadership Association Conference in Atlanta, GA

Achievements

- Selected by the Invention to Innovation Center UAH for designing a medical innovation to help cure Tourette's Syndrome through the James Clemens High School Biomedical Academy
- Was accepted into the University of North Alabama Marching Pride Drumline as a percussionist
- Selected for numerous endowed scholarships from the University of North Alabama College of Business and Technology
- Selected twice for National Cyber Summit Attendee from the University of North Alabama College of Business and Technology

Volunteer Experience

- Florence Lauderdale Animal Shelter: Volunteered for an animal shelter fundraiser through the University of North Alabama Independent Greek Council
- Lions Lend a Hand volunteer for Humana and the University of North Alabama Food Pantry
- Paws for a Cause volunteer for the Madison Alabama Rescue Foundation

Certifications

Pursuing studies toward A+, Linux+, and Security+ certifications.

Projects

Interactive Fiction Game Engine (C++) *Fall 2022*
- Academic Project; Contributed to an in-console Interactive Fiction Game Engine using C++ (see GitHub)

Junior Research Project *Spring 2023*
- Research paper; Studied the importance of self-protecting JavaScript (see GitHub/LinkedIn)

Programming for the Web Final Project (PHP) *Fall 2023*
- Simple Web Application; web application that allows functionality for altering a membership roster

Personal Wedding Site (Flask) *Current*
- Web Application; web application to support the attendees of our wedding with specific features