JACOB GRAHAM

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OBJECTIVE

To use the skills I have developed over the past several years to build software solutions that make a real, positive impact on the world.

EDUCATION

Grove City College – Grove City, PA
Bachelor of Computer Science
Minor in Cybersecurity
Graduated: December 2023
GPA: 3.31/4.00

SKILLS

- **Experience in:** Machine Learning, Data Structures, Advanced Algorithm Analysis, Database Management, Software Development, Design Patterns and Methodologies, Development Methodologies, Mobile Development, Web Development, Algorithm Theory, Robotics Containerization.
- **Front-End Web Technologies:** React, Alpinejs, JQuery, vanilla JS, templating languages, CSS frameworks, HTML, CSS.
- **Back-End Technologies:** Laravel, WordPress, Flask, PHP, Apache Web Server, SQL Databases, Smart Contracts (Ethereum), Docker, Docker Compose.
- **Desktop/Mobile Development:** Python Tkinter, Python Kivy, Swift, Kotlin.
- **System Administration:** MS Access, Active Directory, Habitec Security, Networking, Device Setup and Configuration.

RELEVANT PROJECTS

Stickers On Demand, Dropshipping Service (in progress)
- Designed an ecommerce database from scratch, including users, products, categories, and orders.
- Implemented the web app using the PHP Laravel framework, making heavy use of controllers, eloquent models, and blade templates.
- Plugins for WordPress, Shopify, and more are in progress for integrating ecommerce stores with the web app's api.

Docker Website Builder
- Developed a web app allowing users to create isolated web servers to host their websites at the click of a button using the power of Docker.
- Complete, secure registration and authentication system developed to manage access to web servers.
- Site dashboard uses ajax to load content, preventing the need to reload the page after every action.
- Intelligent routing of different domain names to their associated container allows multiple one http port to serve multiple sites.

Bible Buddy, WordPress Plugin
- Built a WordPress plugin that adds a helpful pop-up card containing the correct Bible verse to any post on the site that contains a Bible verse reference.
- Includes theming options and a verse format specifier.
- Makes use of popperjs, a popular front-end javascript library, to create the card and display it in the right place.

EXPERIENCE

Web Development Intern, Venture Products, Inc (The Toro Company), Orrville, OH   *May 2023 – August 2023*
- Added features to the Ventrac Dealer Network to help Ventrac employees and dealers do their jobs more efficiently.
- Attended meetings with different departments to gain a better understanding of the business.
- Developed PHP features on the Ventrac Dealer Network and Ventrac SDK, including a Bin Editor, Marketing Video Editor, and Scrap Request Routing and Approval System.
- Routine work managing, querying, and manipulating SQL databases.
- Completed courses on topics including the Laravel Framework, AlpineJS, and the MVC application structure.

Information Technology Intern, Smithfoods, Inc., Orrville, OH   *June 2022 – August 2022*
- Aided in system administration through the use of Microsoft Access/Active Directory and Habitec Security systems.
- Gained experience with basic networking, including the creation of ethernet cables and configuration of network devices.
- Loaded desktop and laptop computers with a customized operating system using a network boot.

Software Developer and Associate, Bon Appetit (Compass Group), Grove City, PA   *September 2020 – May 2023*
- Began as an ordinary kitchen associate, working in the kitchen stocking, but transitioned to develop a desktop app for the company.
- Developed a desktop application for finance officials at the company to use to slice excel invoices to find changes in the prices of food items from one month to the next.
- Help maintain a clean and orderly system for inventory by stocking shelves, cleaning, and organizing.

MORE ABOUT ME

Center Midfielder, Grove City College Men's Soccer   *August 2020 – November 2023*
- Developed time management skills through balancing academic and athletic demands.
- Built relational and interpersonal skills through interaction with teammates and coaching staff.

Student Advisor, Wayne County Community Foundation   *June 2018 – May 2019*
- Served as a board member which determined where philanthropic grants would make the most impact.