Carter Bao-Dang Phan

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SUMMARY

Highly motivated Backend Engineering Intern with a strong foundation in coding languages such as Python, C++, Java, and C#. Currently pursuing opportunities in Backend and Data fields. Committed to enhancing database performance and resolving software bugs. Proficient in Agile development practices, leveraging Git for version control, and actively collaborating within global teams. Currently expanding skills with AWS, Salesforce, and TypeScript. Adept at creating efficient and user-friendly solutions, with a keen interest in technology and a solid academic background in Computer Science.

SKILLS & INTERESTS

- **Coding Languages:** Python; C++; Java; C; C#; React.JS; JavaScript; HTML/CSS
- **Currently Learning:** AWS, Salesforce, TypeScript
- **Relevant Skills:** Git; Docker; MVC design; SQL; AJAX; Linux/Bash Scripts; AGILE/SCRUM Framework

WORK EXPERIENCE

ZenOptics   **Aug. 2023 – Present**
Backend Engineering Intern   San Jose, CA

- Collaborated closely with the development team to enhance database performance, resolve software bugs, and diligently document existing code for future reference.
- Employed a stack including Java, MySQL, and SQL Server to innovate new features while ensuring the stability and upkeep of the existing codebase.
- Actively participated in Agile development, including daily stand-ups, code reviews, and sprint planning.
- Implemented GitLab for version control, enhancing code management and enabling seamless collaboration with globally dispersed teams.

Plant Sciences Department IT   **May 2019 – Mar. 2023**
Student IT   Davis, CA

- Assisted full-time staff with equipment transport, database management, and web development.
- Collaborated with Lead Programmer on migrating code from ASP.NET Web Forms to ASP.NET MVC.
- Utilized GitHub for version control and collaboration on code development and management.

PROJECTS

SteamLinker
Python Discord Bot

- Developed a Discord bot using Python and the discord.py library to automate the process of creating clickable Steam header links shared by members of a server, creating a seamless user experience.
- Utilized the temporary-url.com API to convert the Steam header links into shortened URLs for accessibility.
- Implemented the bot with event handlers to detect incoming messages containing Steam header links and respond with the shortened URL, also removing the message when the original message is deleted.
- Leveraged Discord's API to create clickable buttons, allowing one-click access to the shortened URLs.
- Hosted the bot on DigitalOcean, currently being used by 14 large servers with over 200 active users each.

PROJECTS (CONT.)

California Reservoir Water Level
React/CSS/HTML Site
- Developed a dynamic website to display graphical representations of water levels for a given month.
- Collaborated in a two-person team using GitHub and Replit to develop the frontend client and backend server.
- Utilized AJAX API Requests to extract the latest water level data, ensuring accurate and up-to-date information.
- Demonstrated proficiency in React.JS, CSS, and HTML to create an intuitive and visually appealing UX.

EDUCATION

University of California, Davis   **Aug. 2018 – Mar. 2023**
B.S. in Computer Science   Davis, CA
- 2020 – 2021: External Vice President of the Vietnamese Student Association
- 2019 – 2023: President of the Fighting Game eSports at Davis Club