

Carter Bao-Dang Phan

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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

WORK EXPERIENCE

ZenOptics

Aug. 2023 – Present

Backend Engineering Intern

San Jose, CA

- Worked with the development team to optimize database performance, troubleshoot bugs, and document existing code for future employee reference.
- Used tools such as Java, MySQL, and SQL Server to develop new features and maintain the current code.
- Actively participated in agile development, including daily stand-up meetings, code reviews, and sprint planning
- Implemented version control using Git for code management and collaboration with teams around the world.

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.

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.

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