

Carter Bao-Dang Phan

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EDUCATION

University of California, Davis

Aug. 2018 – Mar. 2023

B.S. in Computer Science

Davis, CA

- **Relevant Courses:** Data Structures, Computer Networks, Algorithm Design & Analysis, Web Programming
- 2020 – 2021: External Vice President of the Vietnamese Student Association
- 2019 – 2023: President of the Fighting Game eSports at Davis Club

PROJECTS

California Reservoir Water Level

React/CSS/HTML Site

- Developed a dynamic website, focusing on providing users with graphical representations of California reservoir water levels for any given month.
- Collaborated in a two-person team to create both the backend server responsible for handling AJAX requests, and the frontend client which displayed the website interface.
- Utilized RESTful API calls to the California Data Exchange Center to extract the latest water level data, ensuring accurate and up-to-date information.
- Demonstrated proficiency in React, CSS, and HTML to create an intuitive and visually appealing UX.

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, and 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 5 large servers with over 200 active users each.

WORK EXPERIENCE

Kwan Wo Ironworks

Jun. 2022 – Sep. 2022

IT Intern

Hayward, CA

- Managed the workstations of a 30-person office.
- Developed Python scripts to automate the naming and sorting of PDF invoices, improving organization.
- Upgraded the internal server to enhance system setup and enable future remote access.
- Deployed 23 new systems and resolved any related technical issues.
- Participated in meetings with supervisors to discuss infrastructure enhancements for the office IT system.

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.
- Managed databases for staff keys, salvaged equipment, and package delivery.

SKILLS & INTERESTS

- **Coding Languages:** C; C++; C#; Java; Python; React.js; JavaScript; HTML/CSS
- **Currently Learning:** AWS; Salesforce, TypeScript
- **Relevant Skills:** Git; Docker; MVC design; SQL; AJAX; Linux/Bash Scripts; AGILE/SCRUM Framework
- **Interests:** Building controllers; cycling; digital photography; bouldering; snowboarding