Pablo Duenas

Hacienda Heights, CA | (626) 420-2140 | pabloduenas64@gmail.com

LinkedIn | GitHub | Portfolio

EDUCATION

California State Polytechnic University, Pomona   **August 2018 – December 2023**

B.S. in Computer Science, minor in Data Science

TECHNICAL SKILLS

- **Languages**: Python, Java, SQL, HTML, CSS, JavaScript, Bash
- **Software Platforms**: MySQL, PostgreSQL, MongoDB, AWS, Jupyter Notebooks, GitHub Google Cloud, Chrome Developer Dashboard

- **Frameworks**: Django, Flask, Bulma, Bootstrap
- **Relevant Coursework**: Data Structures & Algorithms, Database Systems, Big Data Analytics, Cloud Computing, Machine Learning, AI, Software Engineering, Web Search & Recommender Systems, Operating Systems

PROJECT EXPERIENCE

Huddle   **August 2023 – December 2023**
- Developed and launched "Huddle," a collaborative group project management web app created with HTML, CSS, Bulma UI, JavaScript, Python, Django, PostgreSQL, and AWS technologies
- Attracted 20 users for testing, effectively showcasing the app's user-friendly interface and robust features in facilitating efficient group collaboration for project management

CPP Search Engine   **October 2023 – December 2023**
- Developed "CPP Search Engine" for Cal Poly Pomona's Civil Engineering professors using Python, pandas, scikit-learn, NLTK, Beautiful Soup, MongoDB, PyMongo, HTML, CSS, Bulma UI, and JavaScript
- Implemented web scraping, storage in MongoDB, and NLP techniques (TF-IDF, cosine similarity) in the Django framework for a user-friendly interface, enabling accurate searches through professors' data

Personal Portfolio Website   **May 2023 – August 2023**
- Developed a responsive portfolio website using HTML, CSS, and JavaScript, showcasing my skills, projects, and experiences as a developer
- Implemented a visually appealing design with interactive elements by utilizing jQuery and Bulma framework to ensure compatibility across different devices and enhance the user experience

CPP Hub   **July 2023 – August 2023**
- Created a user-friendly Chrome extension using HTML, CSS, JavaScript, Bulma UI, and JQuery to enhance the browsing experience for Cal Poly Pomona students
- Implemented features for quick access to frequently visited university links, resulting in over 50 downloads and positive reviews, showcasing its effectiveness in improving efficiency for accessing campus platforms and resources

Google Software Product Sprint   **May 2022 – August 2022**
- Collaborated with a team of four to design and implement a web application using Java, JavaScript, HTML, CSS, and Bootstrap framework in a 10-week Google Software Product Sprint. Leveraged Google Cloud Platform APIs for enhanced functionality
- Learned industry best practices, including contributing to open-source software, conducting code reviews, participating in distributed development, and designing new components and interfaces
- Actively engaged in weekly career development workshops, team meetings, and check-in forms

WORK EXPERIENCE

Researcher, **Cal Poly Pomona |** Pomona, CA   **August 2023 – December 2023**
- Conducted research on gender bias in ChatGPT, leading a project involving the generation of prompts, interaction with ChatGPT using OpenAI API, and systematic analysis of over 100,000 responses
- Utilized Python and pandas for data analysis, presenting bi-weekly summaries of biased responses and contributing to a deeper understanding of gender bias in ChatGPT in collaboration with Dr. Eger

Researcher, **CALSys Lab at Cal Poly Pomona |** Pomona, CA   **February 2023 – May 2023**
- Utilized web crawlers and parsers to collect valuable information from hacker forums and marketplaces on the dark web to assist in creating a large dataset for proactive cybersecurity measures
- Proficiently navigated the dark web ecosystem using Tails OS, successfully collecting over 15 .onion URLs associated with the sale and distribution of exploits and malware

AWARDS

Scholar, **STEM Advantage** | Huntington Beach, CA   **October 2022 – December 2023**
- Recipient of the STEM Advantage Scholarship for academic excellence and commitment to STEM education

Certificate of Completion, **Google SPS** | Remote   **May 2022– August 2022**
- Engaged in a 10-week Google Software Product Sprint to develop a web application, incorporating Google Cloud Platform APIs and following industry best practices