

Jeffrey Luu

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EDUCATION

University of California San Diego

B.S. Human Computer Interaction, Minor in Computer Science

GPA: 3.52

San Diego, CA

Oct. 2020 – June 2023

Coursework: Web Client Languages, Interaction Design, Usability & Information Architecture, Social Computing
Web Server Technologies, Algorithms, Operating Systems, Software Engineering, Data Science, Computer Graphics

EXPERIENCE

Technical Program Manager Intern

CodePath

Jan. 2022 – June. 2022

San Diego, CA

- Enrolled 80+ students via student org presentations, info distribution, and personal CodePath experience.
- Managed course logistics, including scheduling sessions, reviewing submissions, and collaborating with managers.
- Created Kotlin-based instructional content for app development and provided technical support to students.
- Worked closely with Regional Program Manager and CodePath.org team to address student feedback and enhance learning experience.

PROJECTS

Web Analytics Dashboard and Collector Script | *Express JS, Node JS, MySQL*

May. 2023 – June. 2023

- Designed an analytics dashboard to visualize page load time waterfall data, served using Node & Express.
- Wrote a script which collects website analytical data and sends it to a RESTful endpoint with a MySQL database.
- Implemented user authentication system using Passport JS, allowing admins to manage users privileges.
- Created a user management grid to efficiently display and manage user data, enabling seamless CRUD operations.

ZooSeeker | *Java(Android)*

Mar. 2022 – May. 2022

- Developed an app to plan a trip to the San Diego Zoo, optimizing routes for minimal walking to desired exhibits.
- Implemented a shortest path algorithm using Android's geographic location API, with functional re-routing.
- Built unit, integration, and UI tests with JUnit, Robolectric, and Espresso.
- Operated with agile development principles, using GitHub and ZenHub to allow 6 programmers to work efficiently.

Obesity and Income in the U.S. | *Python*

Jan. 2022 - Mar. 2022

- Analyzed data from the CDC and IRS to determine whether income influences the obesity rate.
- Devised informative data visualizations using Seaborn and Matplotlib.
- Performed chi-square tests of independence between obesity and income for different cities in the U.S.
- Documented data analysis and conclusions in a concise Jupyter Notebook.

SimpleTweet | *Java(Android)*

Sept 2021 – Oct. 2021

- Developed an Android application that allows for users to access Twitter.
- Implemented authentication using Twitter OAuth, allowing users to login to their Twitter accounts securely.
- Utilized Twitter's REST API to access and populate user's timeline for loading and posting of tweets.
- Used Glide to implement image loading and efficient caching.

SKILLS

Languages: Python, HTML/CSS, Javascript, C/C++, Java

Libraries and Frameworks: Node JS, Express JS, Astro, Flask

Other Skills: Git/GitHub, Android Studio, ZenHub, GitHub Actions CI, Linux, Figma, SQL