Dylan **Wilbur**

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Education

UCLA *Westwood, CA*

BS IN MATHEMATICS OF COMPUTATION | EXPECTED 2024 *2020 – 2024*

GPA: 3.9

RELEVANT COURSEWORK:

Algorithms and Data Structures in C++; Computer Organization, Operating Systems, and Architecture; Software Construction; Multivariable Calculus; Linear Algebra; Machine Learning

ATHLETICS

Full time D1 Athelete in 3 sports (Cross Country, Indoor Track, Outdoor Track).

Skills

Programming: Python, C++, C, Swift(iOS), SQL, Bash Scripting, Git, Rails, Javascript, HTML/CSS, Java, Assembly
Proficient In: Linux, Photoshop, Audio Design/Production, Agile/Scrum Project Management, Video Editing

Projects and Work Experience

Injury Info App *github.com/CS35LF21/injury-info-app*

LEAD FULL-STACK DEVELOPER *September 2021-Present*
- Designed an interactive web based sports medicine app to help diagnose sports related injuries
- Implemented using MongoDB, React, ExpressJS, and Node.js

Cybersecurity CTFs *metactf.com*

CAPTURE THE FLAG COMPETITIONS- CYBERSECURITY *August 2020-Present*
- MetaCTF CyberGames 2020: National competition; placed in the top 3% overall both individually and as a team
- Placed top 3 at UCLA in quarterly school-wide cybersecurity tournament
- 2nd place as a team in the UCLA CTF After Dark

Glendale Educational Foundation Summer School Registration App *cventerprises.org/1gefsummer.html*

LEAD DEVELOPER, PROJECT MANAGER *June 2019 – December 2020*
- Implemented an E-Commerce solution for the Glendale Educational Foundation to handle class registrations
- Created a secure administator backend for admins to manage course offerings, pricings, and dates
- Added a searchable, indexable data table for admins to manage registrations, view statistics, and quickly access emergency contact information
- Implemented a user-friendly front end with javascript and bootstrap along with standard account management practices for users

CV Enterprises *cventerprises.org*

CO-FOUNDER, LEAD PROJECT MANAGER *June 2018 - July 2020*
- Co-founded an organization of over 50 members which helps high school students effectively deliver software products to local businesses and schools, giving them exposure to industry software practices and Agile project management
- The organization gives students exposure to industry software practices and Agile project management
- Designed and wrote a curriculum for a capstone class to encompass the organization; it has since been approved by the district board of education as a certified UC honors course
- Served as a software development mentor to those wishing to begin their own projects, teaching the basics of web development and assisting students on the logistics of delivering software to a client

Locker Registration App *cvhslockers.herokuapp.com*

DATABASE MANAGER, DEVELOPER *August 2017-October 2020*
- Helped develop a web-based locker registration solution for local high school
- Served as sysadmin for the locker registration software, managing the SQL database for 2 years

Programmatic Animations with Python

Spring 2020

- Fully animated an informative mathematics presentation about the implemetation of various cryptography algorithms
- Presented at the Westmont Mathematics Competition

6 Million Stories

sixmillionstories.herokuapp.com

VISUALIZER FOR THE MUSEUM OF TOLERANCE IN LOS ANGELES

July 2017-June 2019

- Commissioned by the Museum of Tolerance in Los Angeles; wrote a web based interactive visualizer of the tragedies of the holocaust
- Used by English and History teachers in their curriculums to help students grasp the scale of the tragedy