

Dylan Wilbur

✉ dylanwilbur@g.ucla.edu | ☎ 8184820865 | 📍 Los Angeles, California | 🌐 dylanwilbur.github.io

Education

UCLA

BS IN MATHEMATICS OF COMPUTATION | EXPECTED 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 Athlete in 3 sports (Cross Country, Indoor Track, Outdoor Track).

Westwood, CA

2020 – 2024

Skills

Languages: Python, C++, C, Swift(iOS), SQL, Bash, Git, Rails, Javascript, HTML/CSS, Java, Assembly

Technologies: Git, Ruby on Rails, React.js, Elasticsearch, Kibana, Jupyter Lab, Docker, L^AT_EX, Postgres

Proficient In: Linux, Photoshop, Microsoft Office, Agile/Scrum Project Management, Video Editing(Adobe Premiere)

Projects and Work Experience

NASA Jet Propulsion Laboratory

SOFTWARE ENGINEERING INTERN

June 2022-July 2022

- Developed interactive dashboards for the NASA Multi-mission Algorithm and Analysis Platform(MAAP), allowing science users to quickly draw insights from their large-scale data processing
- Utilized the ELK stack to allow for real-time analytics of algorithms being performed across distributed processing clusters in AWS and NASA HPC supercomputer environments
- Built a Jupyter Lab extension in the MAAP Jupyter environment with a configurable Elasticsearch endpoint, allowing for portable data visualization

Glendale Educational Foundation Summer School Registration App

cventerprises.org/1gefsummer.html

LEAD DEVELOPER, PROJECT MANAGER

June 2019 – December 2020

- Created an E-Commerce solution for the Glendale Educational Foundation to handle summer school registrations
- Implemented a user-friendly database interface for admins to manage registrations, view statistics, and quickly access emergency contact information
- Successfully maintained the system to handle 500+ students and \$200000+ in revenue
- Produced record enrollment and 100% user satisfaction from surveyed users

Cybersecurity CTFs

metactf.com

CAPTURE THE FLAG COMPETITIONS - CYBER SECURITY

August 2020-Present

- Placed in the top 3% overall both individually and as a team at MetaCTF CyberGames 2020
- Placed top 3 at UCLA in quarterly school-wide cybersecurity tournament
- 2nd place as a team in the UCLA CTF After Dark

Injury Info App

LEAD FULL-STACK DEVELOPER

September 2021-Present

- Designed an interactive web-based sports medicine app to help diagnose sports related injuries
- Created CRUD actions for our models with an industry standard RESTful API
- Implemented using MongoDB, React, ExpressJS, and Node.js

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
- Wrote a curriculum detailing a yearlong software development capstone class, approved by both the school and district board of education as a certified 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 with the logistics of delivering software to a client