



CONTACT

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🌐 <https://david-yaranon.com>

EDUCATION

2022 - 2024

**CALIFORNIA POLYTECHNIC
UNIVERSITY, HUMBOLDT**

- Bachelor of Science in
Computer Science

INDUSTRY SKILLS

- Software Development
- Embedded Systems
- Project Management
- Agile / Sprint Development
- Digital Content Creation

TOOLS & TECHNOLOGIES

- Github
- Bitbucket/Bamboo
- Confluence
- JIRA
- Google Cloud
- Firebase
- AWS Lambda
- Docker
- MongoDB

PROGRAMMING LANGUAGES

- C/C++
- Javascript/Typescript
- SQL
- Python

DAVID YARANON

SOFTWARE ENGINEER

PROFILE

Computer Science graduate from Cal Poly Humboldt. I currently find myself immersed in the world of React and mobile application development, but enjoy all aspects of software engineering. My goal is to build tangible applications that can influence and help users around the world. I am an avid learner and have a great desire to grow my knowledge and skills in computer science.

WORK EXPERIENCE

Kratos Defense - Unmanned Aerial Vehicles MAR 2021 - JUN 2024
Software Technician I

- Improved C/C++ embedded software code quality by identifying and fixing bugs in over 100 repositories using static analysis tools
- Implemented unit tests for C++ vehicle code using catch2 framework and incorporated into Microsoft Visual Studio to reduce software regressions
- Assisted in the launches of XQ-58A Valkyrie / Skyborg aircrafts
- Automated flight code test procedures through Bash/PowerShell scripts and incorporated into Bamboo
- Maintained and updated repos using SourceTree and Bitbucket
- Led sprint meetings for multiple teams and projects; handled high priority DevOps tasks involving backend JIRA and Confluence configurations
- Used MATLAB to perform and optimize flight simulations

Cal Poly Humboldt MAR 2023 - JUN 2024
Student Programmer - <https://3dherbarium.org/>

- Co-developed a first of its kind photogrammetry workflow to digitize 3D models of flora using Metashape and Blender
- Engineered a user-friendly, responsive website using NextJS, attracting over 2,000 unique visitors in the first month, significantly boosting botanical education and engagement among students and plant enthusiasts
- Contributed to the development and maintenance of a SQL database, ensuring seamless integration and efficient data management for the herbarium's digital collection
- Worked on user interface using NextJS / React

UC Merced Admissions FEB 2019 - MAR 2022
Video / Social Lead

- Captured high-quality photos and video footage of campus events, tours, and student life to create engaging promotional material for Admissions
- Edited and produced video content for use in marketing campaigns and online social media platforms showcasing the university's programs and facilities
- Managed and organized assets and archived past photos and videos