

# Zack Jandali

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## Education

### UC, Irvine Honors | GPA: 3.44

BS IN COMPUTER SCIENCE

Irvine, CA

Oct 2020 – Jun 2022

### Saddleback College Honors | GPA: 3.82

AS IN COMPUTER SCIENCE

Mission Viejo, CA

Sept 2016 – May 2020

### Google Data Analytics Certification

Online

Completed 2022

### IBM Deep Learning Certification

Online

4/15 – In Progress

## Job Experience

### NAWCWD

COMPUTER SCIENTIST

China Lake, Ca

Apr 2023 – Present

- Designed software including networking Raspberry Pis for RF emitter control, developing hazard light logic, creating a log data playback app, quantizing ML models for specialized hardware, integrating IMUs for an inverted pendulum cart, and working with MATLAB and file system management.

## Skills

**Languages:** Python, C++, C, R, SQL, JS/CSS/HTML, MIPS

**Packages (Python):** Numpy, Matplotlib, PyTorch, Pandas, OpenCV, Cuda, Conda

**Abilities:** AI-Accelerated Dev, ML Dev Cycle, Data Handling/Vis, Full Stack Dev, Web Scraping/Crawling

**Abilities (Cont.):** Remote Dev, Independent, Communication, Adaptable, Fast Learner, Collab, Writing, Presentation

## Personal Projects

### Hand Classifier

CLASSIFY HAND POSES; INVOLVES DATA CREATION, MODEL TRAINING, AND APP DEVELOPMENT.

Jupyter Notebooks, Python

<https://github.com/zjanda/>

### Home Security Camera

THIS PROJECT INCLUDES OPTIMIZING STORAGE OF VIDEO DATA TO HOLD A FULL WEEK OF USEFUL DATA.

Python

Project is not public.

### Beat Saber Movement Mapper

MAPS USER MOVEMENT TO GENERATE GAME LEVELS—TURNING DANCE CHOREOGRAPHY INTO PLAYABLE LEVELS.

Python

Project is not public.

### Web Search Engine

BUILT A SEARCH ENGINE MATCHING INDUSTRY SPEED, QUERYING 50,000+ DOCUMENTS IN <0.05S VIA A FILE-BASED INVERTED INDEX. DESIGNED A WEB CRAWLER FOR FULL AUTOMATION.

Python

<https://github.com/zjanda/>

### Embedded Systems

EXPERIENCED WITH RASPBERRY PIS, MICROCHIPS, AND REMOTE DEVELOPMENT.

Python

## Awards and Extracurriculars

October  
2020

**UCI Regents' Scholarship**, "The Regents' Scholarship is one of the most prestigious scholarships UC Irvine offers to domestic freshmen entering from high school and transfer students entering from a California Community College."

UC Irvine