

# JASON K. JEWIK

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## EDUCATION

**University of California, Los Angeles** • 2019 - 2023

Bachelor of Science, Computer Science

- Regents' Scholar, Alumni Scholar (top 1%)
- Research Assistant at the Center for VCLA
- Coursework: Intro to Computer Science (C++)

**Cerritos College** • 2017, 2018

High School Dual Enrollment

- Coursework: Programming Logic/Design (Java), Networking Fundamentals, Programming in C/C++

## TECHNICAL SKILLS

### Programming Languages

Python, SQL, PHP, HTML, CSS, JavaScript, Java, C#, C++, Git, Batch

### Software Dev Tools

GitKraken, MySQLWorkbench, Atom, Jupyter Notebook, Unity, Android Studio, Postman, Jira, Microsoft Visual Studio, Spyder

### Google Cloud Platform

Analytics, Ads, Firebase, BigQuery, Data Studio

## PROJECTS

**Penguin Run:** *C#, Unity, Random Generation*

Built a platformer video game in which the player evades randomly generated obstacles.

**Penguin Flow:** *Python, Keras, PIL, Pynput, Neural Nets, Machine Learning, GRU, Jupyter Notebook*

Developed a convolutional neural network to play PenguinRun by learning from recorded human gameplay. The network would accept screen captures from PIL as input and returned key press predictions to Pynput as output — achieved a high score of 700 points.

**Ferret Bot:** *JavaScript, Node.js, XML, Postman, Imgur API*

Programmed a Discord bot that can do coin flips, send messages, and display pictures from Imgur.

## EXPERIENCE

**Software Engineer Intern**, ODK Media Inc. • Jun 2019 - Sept 2019

- Developed software to analyze user interaction with the company's 12,000+ videos and generate monthly content reports, that were used to determine budget allocation and marketing decisions.
- Automated web push notifications to target users based on their watch history, resulting in more personalized advertising and increasing viewership by 10% per month.
- Created a recommendation engine that changes users' feeds based on recently watched programs.

**IT Consultant**, IDLogiq Inc. • Jun 2019 - Sept 2019

- Quality tested and wrote 5+ tutorial articles for the company Android mobile medical ID app.
- Wrote and edited 15+ blog articles on counterfeit prevention for company stakeholders.
- Edited event website and designed poster graphics for Global Health Expo 2019.

**Operations Intern**, ODK Media Inc. • Jun 2018 - Aug 2018

- Wrote a script that automatically trims videos and inserts the company watermark, saving 50+ hours per week of manual editing.
- Modified the interface of the company Roku Channel to improve user-friendliness.

**STEM Summer Intern**, The Boeing Company • Jun 2018 - Aug 2018

- Created simulations of unmanned drone delivery networks and aerial tracking infrastructure.
- Presented findings about model's feasibility and potential costs to company employees.

## ACTIVITIES

**President, Programmer**, WHS Robotics • Sept 2016 - Jun 2019

Programmed in Java for FTC Team 542, competed in Worlds 2019. Automated club budget management with Google Scripts. Started mentorship program at local elementary school.

**President, Founder**, WHS Digital Media • Jun 2017 - Jun 2019

Ran two game development teams to create three video games and lead five game design workshops.

**Head Organizer**, Whitney Code Jam • Oct 2018 - Feb 2019

Planned school district's first annual 12-hour hackathon, attended by over thirty students.