Jake A. Herron

Software Engineering

Contact

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Education

University of California, Los Angeles

Expected June 2022

• Bachelor's of Science in Computer Science
• Cumulative GPA: 3.62

Skills

Languages Python • C++ • Javascript • Swift • C • Bash

Tools HTML/CSS • Git • Linux • x86 Assembly • Xcode • Figma

Coursework

Computer Science

• Algorithms and Complexity
• Data Structures
• Computer Graphics
• Operating Systems
• Computer Organization
• Software Construction Laboratory

Management

• Finance and Marketing for Engineers
• Technology Management and Economics for Engineers

Experience

Information Technology Intern | Precision Diagnostics

July 2019 - September 2019

Precision Diagnostics is a San Diego biotechnology company specializing in high-sensitivity clinical oral and urine drug testing.

• Documented and troubleshot Python and Django projects used for primary lab test processing in order to facilitate better code readability and ease of use for future developers

Activities

Association of Computing Machinery

September 2018 - Present

• Member of ACM Hack and ACM Studio at UCLA
• Won second place in ACM Hack's app development hackathon for Pinstagram
• Participated in coding workshops including Python, Swift, and Unity game development

Projects

Wrong Generation

March 2020

• Python program that lets the user look up what songs were trending on the Billboard Top 100 on any date since the chart started counting
• Utilizes Python webscraping and HTML to gather the data from billboard.com
• Implements an SQL database to store the data and a Python driver to process user input and access data

Pinstagram

February 2019 - March 2019

• An iOS project made in Xcode using Swift to display "Outfit of the Day" posts in a creative and centralized way
• Made in a group for ACM Hack's Hack Sprint app development hackathon where it won second place in competition for best app
• Features include swiping, saving, and posting