

JACOB POOLE

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in jacob-poole

👤 JacobPoole

Skills

CODING LANGUAGES

C++

Java

Python

CSS

Javascript

RELEVANT COURSEWORK

Software Construction

Intermediate Data Structures and Algorithms

Theory of Automata and Formal Languages

Logic Design

Intermediate Embedded and Real-Time Systems

Education

University of California, Riverside

B.S. Computer Science 2019

Employment

University of California, Riverside - Physics and Astronomy

Riverside, CA

Student Assistant

Mar 2017 to Current

- Organize and visualize data for the graduate division
- Scrape data off of old programs and sites to use to benefit the department

Simple Layers

La Crescenta, CA

Web Development Intern

Jun 2015 to Aug 2015

- Using HTML, CSS, JavaScript and Dojo, created widgets and tools to help users distinguish data on maps
- Simple Layers: A cloud delivered system for Geographic Information Systems (GIS) and business intelligence with patent-pending capabilities for collaboration
- Website: www.simplelayers.com/

Activities

Citrus Hack · Director (2017), Operations Lead (2016)

Jan 2016 to Current

- Leading a team of 6 to organize two hackathons for 2017; Citrus Hack(600 people) and Cutie Hack(200 people)

www.CitrusHack.com www.CutieHack.com

Institute of Electrical and Electronics Engineers (IEEE) ·

Mar 2016 to

Vice Chair (2017-2018), Program Chair (2016-2017)

Current

- Host social, academic and outreach events
- Schedule, advertise, setup, and staff multiple Merit Badge Days for Boy Scouts, hosting around 150 scouts from around Riverside County

Association of Computing Machinery (ACM) · Outreach Chair

Mar 2016 to Jun 2017

- Recruit members and get them interested in events
- Plan and host events to introduce Kindergarten to 12th grade students to the field of computer science

Society of Women Engineers · Outreach Chair

Mar 2016 to Jun 2017

- Organize and run events for SWE, securing volunteer staff and ensuring diversity of events and activities
- Manage and produce 17 outreach events designed to share STEM with the broader community
- Lead Bourns College of Engineering Day, which will host more than 2000 participants from Kindergarten to 12th grade

Projects

Grep Jobs, PennApps 16

Sep 2017 to Current

- Awarded Best Data Visualization
- Visualizing the job market using a map generated with WebGL and data scraped from popular job sites
- <https://devpost.com/software/pennapps16-grepjobs>

Southwald Pickering, Educational Video Game at HackPoly 2017

Feb 2017 to Feb 2017

- We wanted to create something that would be beneficial to younger students and help them with math in that in-between time from when most students can understand it with relative ease and the time when they're excelling in classes. A learning experience in Unity as well.

Volunteering

FIRST FRC Team 589 Falkon Robotics · Mentor, Team Captain

Jan 2012 to Current

Crescenta Valley High School

- Lead the robotics team to complete a robot in six weeks, attend various outreach events, and mentor many LEGO robotics teams for elementary to middle school students
- Mentor programming in Java and electronics for the FRC robot.