

# JACOB POOLE

UNDERGRADUATE  
STUDENT AT THE  
UNIVERSITY OF  
CALIFORNIA,  
RIVERSIDE

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in jacob-poole

🌐 JacobPoole

## Skills

### CODING LANGUAGES

C++

Java

Python

HTML

JavaScript

CSS

Unity

MATLAB

### APPLICATIONS

Microsoft Office

### RELEVANT COURSEWORK

Software Construction

Data Structures and  
Algorithms

Object-Oriented  
Programming

Discrete Mathematics and  
Structures

Introduction to Embedded  
Systems

Logic Design

Machine Organization and  
Assembly Language  
Programming

Linear Methods for  
Engineering Analysis and  
Design Using MATLAB

## Education

University of California, Riverside

B.S. Computer Science 2019

## Employment

### Simple Layers

Web Development Intern

La Crescenta, CA

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. La Crescenta, CA

- Website: [www.simplelayers.com/](http://www.simplelayers.com/)

## Activities

### Society of Women Engineers · Outreach Chair

Mar 2016 to Current

- Organize and run events for Society of Women Engineers (SWE), securing volunteer staff and ensuring diversity of events and activities.

- Manage and produce 2016-2017 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.

### Institute of Electrical and Electronics Engineers (IEEE) · Program Chair

Mar 2016 to Current

- Host social, academic and outreach events for UCR's Chapter of Institute of Electrical and Electronics Engineers.

- 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 Current

- Recruit members and get them interested in events that ACM hosts

- Plan and host events to introduce Kindergarten to 12th grade students to the field of computer science

### Citrus Hack · Director

Oct 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](http://www.CitrusHack.com)

[www.CutieHack.com](http://www.CutieHack.com)

## Projects

### 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 · Team Captain to Mentor

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.