

James Luo
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EDUCATION

- **University of California Riverside** Riverside ,CA
BS in Computer Science GPA: 3.2 *Sept. 2016 – June. 2020*

TECHNICAL SKILLS

Swift(Proficient),Python(Proficient),C#(Unity/Prior experience),C++(Proficient),JavaScript(Prior experience)

EXPERIENCE

- **UC Riverside** Riverside, CA
Undergraduate Research *Summer 2017 - Fall 2018*
 - **Ink-well System:** Help design a Python tool that is used to generate .svg files for debugging a micro fluid system
- **AT&T and UC Riverside** Riverside,CA
Research Assistant *Winter 2020 - Fall 2020*
 - **Multi-User AR:** Develop a project with AT&T and UCR augmented reality lab in which we built a multi-user application that relies heavily on a cellular network. The application was built using Google Cloud services and Unity. The benchmarking scripts were written in Python. The project demo was able to impress management and is being moved forward
- **Freelancer**
various organizations *Summer 2020-Current*
 - **Web Developer:** Help maintain and create features for Millbrae Bible Church's website
 - **Full Stack Engineer:** Work with SingTao to create a web server application in PHP and JavaScript for an advertisement platform
 - **iOS Engineer:** Help wire frame iOS applications for people that are looking to build mobile application for a potential product

STUDENT LEADERSHIP

- **ACM/ASSOCIATION FOR COMPUTING MACHINERY** Spring 2019 - Spring 2020
Officer and Workshop Lead
 - **Project and Event Manager:** Help organize club events that include competitive programming like ICPC, technical workshops like MLH Local Hack Day, and K-12 outreach. These events had attendance ranging from 50 people to over 100 people
 - **iOS workshop lead:** Design and teach a year-long technical workshop series on building iOS applications that range from an application using the basic tools like UIKit and Swift to using libraries like CoreML and ARKit

PROJECTS

- **Senior Design**
Operating System Security *Fall 2019*
 - **Linux Exploit:** Configure an exploit for the Unix kernel on both MacOS 10.15.1 and Ubuntu 14.04 that takes advantage of a Sudo bug that was discovered in CVE-2019-14287. The write up of this project can be found on Medium
- **PennApps 2019**
AR Textbook *Fall 2019*
 - **Educational AR app:** AR Textbook is an iOS AR app that uses Firebase and ARKit and is built using Swift. It is an educational hack that is designed to revolutionize the way textbooks are presented.
- **Citrus Hack**
Fake Video *Spring 2020*
 - **Fake Video:** Fake Video is a web application that uses Google Cloud Natural Language API to process text extracted from YouTube videos to identify if a certain video is an AD, saving the user time. This project uses Google Firebase as a database and Google Cloud for machine learning.
Won Honorable Mention Hack