# James Luo

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## EDUCATION

**University of California Berkeley** — Berkeley ,CA
*Data Analysis Certification* — *Jan. 2021 – May. 2021*

**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/experienced), JavaScript(experienced), PHP(experienced)

## EXPERIENCE

**SingTao** — Burlingame,CA
*Backend Engineer Intern* — *October 2020-Current*
- **Advertisement Platform**: Develop an advertisement platform using PHP, Javascript,and MySql. This backend system is design to work with Digital Signage system and with the goal of being used by over 100 businesses in the San Francisco Bay Area.

**AT&T and UC Riverside** — Riverside,CA
*Research Assistant* — *January 2020 - October 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. AT&T reviewed and adopted the demo as a potential research projects

**UC Riverside** — Riverside, CA
*Undergraduate Researcher* — *June 2017 - September 2018*
- **Ink-well System**: Built a Python debugging tool used to generate .svg files for debugging a micro fluid system.

## STUDENT LEADERSHIP

**ACM/Association for Computing Machinery**
*Officer and Workshop Lead* — *March 2019 - June 2020*
- **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

**Citrus Hack**
*Fake Video* — *April 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.The project Won honorable mention out of over one hundred projects submitted

**Senior Design Course**
*Operating System Security* — *October 2019 - December 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.

**PennApps 2019**
*AR Textbook* — *September 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.