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## EDUCATION

University of California, Riverside Aug 2016-Jun 2020  
Degree: Bachelor of Science, Computer Science, **GPA: 3.76, Cum Laude, Chancellor's Honor List**  
Coursework: Data Structures/Algorithms, Machine Learning/Data Mining, A.I., Embedded Systems, O.S., DBMS

## SKILLS

Node.js, React, Python, Java, Android, Kotlin, C/C#/C++, MATLAB, Spring, Lucene, PostgreSQL, MongoDB, Git, Agile

## WORK EXPERIENCE

**Sigma Connectivity Inc. (CW at FAANG Company)** - Software Engineer, *San Jose, CA* Jan 2021-Present

- Single-handedly designed and developed an end to end, flash image loader (QFIL) to recover devices
- Achieved sub 5% tool command error rate by querying analytics and implementing fixes on breakpoints
- Refactored build-lister feature to account for cached builds, accurate parameters, and connected devices
- Specialized in accessibility and became P.O.C. for UX feature set within **2 months** as Android UX Developer

**Proterra** – (Contract) Frontend Web Developer, *Burlingame, CA* Nov 2020-Dec 2020

- Developed web lexicon component in jQuery for APEX Portal 2020 deployment

**Knowles Intelligent Audio** – Engineering Intern, *Mountain View, CA* Jun 2019-Sep 2019

- Streamlined audio lab testing with image to string comparison of benchmark device wakeup results
- Orchestrated data collection to test Chelsea circuit board with virtual assistant training data (**2700 files**)
- Developed Audio Parser – split script for algorithm training (**1.3x** Speedup upon existing scripts)

**Camp Galileo** – Team Leader, *Fremont, CA* Jun 2018-Aug 2018

- Applied passion for teaching and mentoring to build a team of future engineers
  - Established a welcoming environment that served as a gateway for future STEM focuses
- Translated engineering complexities into low level problems mentoring a path to a solution

## TECHNICAL PROJECTS

**Twitter Search Engine** – Lead Programmer, *Fremont, CA* Apr 2020-Sep 2020

- Explored information retrieval theory through full stack scalable tweet searcher (**9 million** tweets)
- Integrated Twitter 4j API to efficiently crawl Twitter across network of multiple systems
- Encapsulated Lucene index and query searcher within Spring framework to boost searching

**User Location Visualization Tool** – Lead Programmer, *Fremont, CA* Jul 2020-Aug 2020

- Developed a full stack web application showing real time user engagement for a wearable product
- Designed sleek UI in React for user registration/login connected to MongoDB collection of user data
- Plotted user location and activity data on US Map by merging Google Cloud API functionality

**Krazy Kitchen Industries: Senior Design Project** – Scrum Master, *Riverside, CA* Mar 2020-Jun 2020

- Mobilized weekly Agile sprints in a team of five by managing scrum, backlog, and burndown chart
- Directed level design, gameplay functionality, and delegated tasks to create co-op video game

**UCR Hackathon: Box Bot** – Software Manager, *Riverside, CA* Nov 2017

- Devised movement control for a motorized car using the Arduino IDE
- Capitalized on opportunity with first hardware project, receiving **Award** for **Best Hardware Hack**

## LEADERSHIP IN EXTRACURRICULARS

**UCR Honors Capstone Research Project: The Chai Chai Talk** – Project Leader, *Riverside, CA* Jan 2018-Jun 2020

- Orchestrated podcast series from interviews exploring the link between music and immigrant identity

**UCR Afsana: South Asian Dance Team** – Dance Lead, *Riverside, CA* Oct 2017-Mar 2019