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JAMES R. JUNAIDI

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EDUCATION:

University of California, Davis

- Bachelor of Science in Computer Science (Minor in Economics) | Exp. June 2022 | 3.90 GPA

WORK EXPERIENCE:

RF Engineer Intern at T-Mobile: June 2020 - Sept. 2020 | Sacramento, CA / Remote

- Modeled cell site data and network cluster performance KPI's and prepared milestone reports.
- Automated spreadsheet tasks in Python and created interactive reports using PowerBI and Qlik Sense.
- Automated a report through Qlik Sense that saved ~10 engineer hours per week.

ADDITIONAL EXPERIENCE:

Co-Founder and Developer at Komma: Aug. 2020 - Present | Davis, CA

- Co-Founder and developer of an events management application to connect students and organizations easily.
- Built a full stack web app using the MERN stack (MongoDB, Express, React, Node).
- Interviewed ~20 university clubs and ~10 individual students to gain insight into the market.
- Participating in the UC Davis PLASMA startup incubator in Spring 2021.

VP Of Operations and Software Engineer at CodeLab Davis: Oct. 2020 - Present | Davis, CA

- Founder of a new software engineering consultancy club at UC Davis.
- Run general club logistical operations, including announcement emails and management of meetings and members.
- Project mentor for two mentored projects (Winter/Spring 2021), both of which are full stack web applications.
- Project manager for our client project with Ambii (Fall 2020) to build a full stack web application in ReactJS that quickly edits their database. This application required a UI alongside a backend to call Ambii's internal API's.

TECHNICAL SKILLS:

- Programming Languages: C, C++, Python, Java.
- Experience in: ReactJS, Javascript, R, HTML/CSS, Swift.
- Development Tools: Unix, Mac OS, Windows, Git, Google C++ Unit Test.
- Strong background in Statistics and Data Analytics, with experience scripting in Python and R.

TECHNICAL PROJECTS:

Prosthetic AR:

- Implemented an AR web application that shows what a prosthetic limb would look like on a person.
- Utilized ReactJS alongside the Tensorflow.js API that used an ML model to determine joint locations.
- Dynamically calculated the position of the prosthetic limb using triangulation, and determined the angle using a formula calculated through a quadratic regression estimate.

Shopper Alert:

- Built a Python application that sends text alerts regarding the inventory of essential items to help people at high risk during the COVID-19 pandemic.
- Utilized the Twilio API to send and receive texts through a GUI (Python Tkinter) used to send out inventory notifications to phone numbers in a database.

Statistical Analysis of COVID-19 Genomes:

- Wrote R scripts to perform analysis of genomes in the Washington cases of the COVID-19 outbreak.
- Investigated differences between the Washington genomes and genomes throughout the rest of the world with Levenshtein Distances.

Floating Point Calculator:

- Implemented a calculator for 32 bit floating point numbers without using the "+" and "-" operators.
- Utilized C with inline Assembly to perform this task.