

JAMES R. JUNAIDI

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EDUCATION:

University of California, Davis

Bachelor of Science in Computer Science | Exp. June 2022 | 3.93 GPA

- Minor in Economics.
- Relevant Coursework: Data Structures, Machine Dependent Programming, Discrete Maths, Intermediate Microeconomics, Introduction to Data Science, Object-Oriented Programming in C++, Programming in C, Calculus.

EXPERIENCE:

RF Engineering Intern at T-Mobile: June 2020 - Present | Sacramento, CA

- Modeled cell site data, network performance data, and prepared milestone reports.
- Automated spreadsheet tasks in Python and created interactive reports in PowerBI.

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

- Founder and developer of an events management application with a goal to connect students and organizations easily.
- Creating a full-stack website application in React (w/ Material UI) and Firebase.

Web Developer at #include @ Davis: Jan. 2020 - Present | Davis, CA

- Developed web pages for non-profit organizations.
- Work with design teams and front and back-end teams to implement a complete website using HTML/CSS.

Software Developer at Mozilla Spring Builder's Open Lab: Apr. 2020 - June 2020 | Remote

- Developed a minimum viable product for an events management project under the guidance of startup experts.
- Worked using HTML, CSS, JS, and Firebase. Initially started in iOS (Swift) before transitioning to Web App.

Statistics Teaching Assistant at Vista del Lago HS: Jan. 2019 - May 2019 | Folsom, CA

- Graded assignments, helped students with class content, analyzed school survey content as part of a course rigor project.

Burger Chef at The Habit Burger Grill: Jan. 2019 - Aug. 2019 | Folsom, CA

- Made burgers, salads, and sides and built soft skills in teamwork, efficiency, communication, and quality control.

TECHNICAL SKILLS:

- Proficient in Programming: C, C++, Python, Java.
 - Strong background in Data Structures & Algorithms, and Object-Oriented Design.
- Experience in: Swift, Javascript, React, R, HTML/CSS, XML, SQL, Assembly.
- Versatile Development Environments/Tools: Unix, Mac OS, Windows, Git, Google Test.
- Strong background in Statistics and Data Analytics, with experience scripting in Python and R.

TECHNICAL PROJECTS:

Shopper Alert:

- Built a Python application during LAHacks '20 (UCLA) that sends text alerts regarding the inventory of essential items to help people at high risk during the COVID-19 pandemic.
- Sent and received texts through a GUI used to send out inventory notifications to phone numbers in a database.
- Used the Twilio API (for text messages) and other Python libraries including Tkinter (for a simple GUI).

Data Structure Implementations:

- Implemented various data structures from scratch using modern C++.
- Implemented deque, stack, AVL tree, set/multiset, map/multimap.
- Implemented a postfix calculator, prime factorization calculator, and task scheduler using the data structures.

Floating Point Calculator:

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

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.