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# Denis Pandarakalam

*San Jose, California*

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github.com/DenisPandarakalam

## EDUCATION

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**University of California, Davis** – Davis, California

**Bachelor of Science in Computer Science & Engineering**

*Anticipated Graduation: May 2024*

- Minor - Electrical Engineering
- GPA - 3.78
- Relevant Coursework - Data Structures, Algorithm Design & Analysis, Machine Dependent Programming (x86), Computer Architecture, Probability & Statistical Modeling for CS, Operating Systems.

## TECHNICAL ABILITIES

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**Programming Languages:** C, C++, HTML/CSS, Java, (Java/Type)Script, Python, R, SQL, x86 Assembly

**Tools/Frameworks:** Angular, AWS (S3), Expo, Express.js, Firebase, Git, MongoDB, Node.js, React.js, Supabase

**OS & Software:** Adobe Creative Suite, FL Studio, G Suite, Github, MS Office, Notion, Slack, Unix/Linux

## EXPERIENCE

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**AggieWorks** – Davis, California

*October 2022 - Present*

**Software Engineer**

- Designing and testing various components using React-Native with Expo and Supabase for a multiplatform app that over 10,000 college students can use to find roommates.
- Developed a log-in system that is stored remotely using Supabase databases (Postgres).
- Streamlined iOS and Android app development workflow by employing Expo in combination with React-Native.
- Extended scalability and cutting monthly costs by designing a system to compress data locally before storing it remotely on Supabase buckets (S3).
- Collaborated, monitored, and debugged tickets with a team of 8 using a Kanban set up on Notion.
- Participated in regular standups, sprints, and retrospectives, prioritizing production improvements and bugs.

**Best Buy** – San Jose, California

*October 2020 - May 2021*

**Geek Squad Consultation Agent**

- Managed various technical issues brought in daily by dozens of customers at a high-pace.
- Clearly and concisely communicated with people of diverse backgrounds.
- Trained as Apple Certified Technician through Best Buy's partnership with Apple.
- Successfully marketed and sold the Geek Squad Total Tech Support program to consumers.

## PROJECTS

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**#GoAgs**

*Tech Stack: Python (Flask), HTML/CSS, Bootstrap, MongoDB, Twilio, Google APIs*

- Developed a web application for UC Davis students to easily see and interact with all available athletic events.
- Built an organized, reactive, and responsive frontend using the Flask framework in conjunction with Bootstrap.
- Utilized a MongoDB database to store user account data, i.e. personal information, encrypted passwords, preferences, etc.
- Coded a script to scrape public UC Davis websites for information about 100s of sports events for display.
- Implemented a geolocation check-in system using Google Maps API, and text message notifications using Twilio API.
- Built a functioning log-in system that uses UC Davis CAS Authentication system (OAuth) to verify UC Davis students.

## ADDITIONAL

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- Activities: HackDavis
- Honors: Dean's Honor List (Fall 2021), Dean's Honor List (Fall 2020)
- Language Fluency: Conversational Spanish