SETHMI KACHCHAKADUGE

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Education

University of California, Davis   **Davis, CA**
B.S. Computer Science   *June 2021*
B.S. Cognitive Science, Computational Emphasis

PG&E STEM SCHOLAR | Computer Science & AI/ML | Full-Scholarship

Activities: Alpha Kappa Psi Co-ed Business Fraternity, Computer Science Club, Research Assistant (ACE Project Autism), Engineering Peer Advisor
Coursework: Programming Languages, Object-Oriented Programming, Data Structures, Machine Dependent Programming, Algorithms, Discrete Math, Logic, AI/ML, Research Methods

Skills

Java, JavaScript, C, C++, Python, HTML/CSS   RPA, Google Plx, Data Studio, Jira, CAD
SQL, Tableau, JSON, XML   Product Management, Agile, Project Management

Professional Experience & Accomplishments

TPM Intern | Google Brain   *Jun. – Sept. 2019*
· Designed HMI for optimization of operations for work cell and lead the development of product with engineers to 1st iteration.
· Identified key metrics and automated retrieval of data from logs to weekly presentations and relevant dashboards for insight.
· Led execution of experiments to identify key discrepancies in product performance within tech stack and developed solutions.

Software Developer | Zoho Corporation   *Jun. – Aug. 2018*
· Built CRM extension applications for customer specifications utilizing Deluge programming language.
· Developed ToDoList application for customers and lead synchronization between platforms with REST APIs, etc.
· Optimized Zoho CRM Suite application for first series of customers based on KPIs from user testing.

Research Intern | ACE Grant (Autism Center for Excellence)   *Jan. 2018 – Jan. 2019*
· Conducted over 30 EEG capping trials with specialized algorithms for each trial while maintaining a controlled environment.
· Conducted over 40 eye tracking trials on typically developing children for age matching protocol with minimal error.

UX Lead | #R   *Jun. – Aug. 2017*
· Optimize application by analyzing feedback from user flow research and KPIs.
· Designed application navigation framework and conducted user testing initiatives to enhance website.
· Expanded user base to over 50 colleges across the US by leading a $5,000 marketing campaign.

Peer Advisor | College of Engineering   *Sep. 2018 – Jan.2019*
· Oversaw senior design projects and assisted students in optimizing budget and timeline for research projects.

Projects

Founder of #R Application | Y Combinator SS 2018   *Aug. – Oct. 2018*
· Developed framework for mobile application to optimize networking using AI at large scale events.
· Received certificate of Y Combinator approved company for potential launch (Present-Terminated)

Founder | FemHacks   *Oct. 2016 – Mar. 2017*
· First all-female hackathon in the Bay Area at Mulesoft headquarters as a project for Stanford's GTGTC.
· Facilitated event and organized sponsors, swag and hacking competition for over 200 high school girls.

Roboticist | Vulcan Robotics   *Jun. 2015 – Jun. 2017*
· Designed and built 2016 World Championship robot (2nd place) with pick up, scoring, autonomous and climbing mechanisms.
· Worked on design reliability, verification, validation and testing on prototype environment.
· Raised $15,000 worth of sponsorships through developing sponsorship packet/deck and oversaw budget.

Interests

Buddhism, Meditation, Consumer Robotics, RPA, Start Up Pitches, Violin, Piano, Singing, Value Investing