Christian Park

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EDUCATION

University of California, Berkeley | Bachelors in Applied Mathematics and Data Science 2025

Related Coursework: Structure & Interpretation of Computer Programs, Discrete Mathematics & Probability Theory (IP), Data Structures, Linux SysAdmin DeCal (IP), Multivariable Calculus, Linear Algebra & Differential Equations

Technical Support Fundamentals Certificate | Google
Proficient in
- Implement networking functions
- Execute troubleshooting in order to solve technical issues

Data Analysis Certificate | Google
Proficient in
- Utilize SQL databases
- Implement Business Strategy for data optimization
- Data Visualization in Excel and sheets

EXPERIENCE

Electrical Engineer Intern
Left Coast Engineering 2022-2023
- Collaborated in the development of NeuroEM Alzheimer's treatment, employing RF technology to target and disaggregate protein aggregates within the brain, contributing to the advancement of neurodegenerative disease research and therapy.
- Led and executed electronics component testing, including documentation, data analysis, calibration, and PCB (Printed Circuit Board) testing, ensuring the reliability and quality of electronic components.
- Independently created a comprehensive PN (Patient Information) database from the ground up, demonstrating strong database management skills and attention to detail.
- Implemented Electronics component testing (documentation, data testing, calibration, PCB testing)
- Conducted detailed analysis of PCB data and generated reports using Excel, facilitating data-driven decision-making for project optimization.

Microsoft Mentorship
Senior employees gave mentorship to students
Learned:x
- Engaged in a dynamic mentorship program led by senior Microsoft employees, gaining invaluable insights into project management, collaboration, and industry best practices.
- Cultivated effective collaboration skills through active participation in cross-functional teams, fostering a culture of open communication, idea exchange, and problem-solving, resulting in streamlined project execution.

PROJECTS

Stock Trading Robot
Utilized the TD Ameritrade API for buying and selling index funds to optimize long-term growth portfolios.

PN Database
Managed part numbers for PCB items, including resistors, capacitors, and transistors.

Circular Accelerator
Modeled cyclotron acceleration of charged particles through magnetic fields, designing custom photo sensors and transistor circuits. The project showcased an ability to bridge theory and practical applications effectively.

Scheme Interpreter
Implemented the core features for a Lisp interpreter in Python using a recursive descent parser, utilizing lexical and syntactic analysis as well as input parsing. Used Python's Object Oriented programming paradigm, functional programming and recursion. Implemented tail recursion via trampolining efficient recursive calls