

ROCHAN KAVULLI

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA

Bachelor of Science, Electrical Engineering

LOS ANGELES, CA

MAY, 2028

OAKWOOD SCHOOL

- GPA: 4.68/4.00; SAT: 1580 (800M, 780R); AP Scholar with Distinction
- Varsity Wrestling (Team Captain), Investment Club, Model UN Delegate, Conceptual Physics TA

MORGAN HILL, CA

MAY, 2024

PROFESSIONAL EXPERIENCE

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

RESEARCHER

SAN FRANCISCO, CA

MAY 2023 - PRESENT

- Researched the effects of eccrine sweating on percutaneous absorption to improve the efficacy of topical treatments
- Identified development areas for novel therapeutics and working to update select pharmaceutical R&D departments directly
- Presented findings in lab meetings and contributing to discussions on contemporary work with leading dermatologists

STANFORD UNIVERSITY

RESEARCHER

STANFORD, CA

JUN 2023 – JAN 2024

- Studied the implication of the nodes of Ranvier in Autoimmune Neurological Disorders to investigate disease-related pathways
- Contributed to official paper, drafting the abstract, introduction and composing multiple figures to visualize scientific data
- Leveraged BioRender and Zotero to generate figures and manage 200+ candidate sources from online databases

BIOCURIUS

RESEARCH & DEVELOPMENT SCIENTIST

SANTA CLARA, CA

MAR 2021 – NOV 2023

- Contributed to novel synthesis of vegan cheese derived from Narwhal DNA to reduce animal cruelty and CO₂ emissions
- Studied evolutionary genomics of casein cultures in mammals and learned genome sequencing techniques used by industry leaders
- Developed proficiency in the use of lab techniques including gel electrophoresis, PCR, and plasmid transformation

CORE MOBILE INC.

SOFTWARE ENGINEERING INTERN

SAN JOSE, CA

MAY 2022 – DEC 2023

- Tested RTLS patient tracking system deployed at select VA Hospitals for a SaaS interface to increase patient throughput
- Generated data reports with Microsoft Power BI alongside an international group of engineers, social scientists, and physicians
- Performed verification tests and ran test code suites to identify any errors in the product

AMBIENT SCIENTIFIC INC.

PROJECT ENGINEERING AND MARKETING INTERN

SANTA CLARA, CA

AUG 2022 – SEP 2023

- Gave presentations for the flagship GPX-10 processor to executives from Saudi Telecom, Reliance Group, and Intel Corp. among others
- Learned the basics of computer architecture and analog/digital computing as well as high level DAC and ADC circuits
- Procured relationships with companies requiring edge computing including Agtonomy and Seagull Concepts LLC

ADDITIONAL INFORMATION

Technical Training: Python, R, Java, Power BI, Project Management

Professional Development: Stanford CASP 2023, Stanford CSI 2022

Interests: Weightlifting, Barbecuing, Rock Climbing, Boating