

KUNAL DHARMADHIKARI

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EDUCATION

University of Maryland

B.S., Bioengineering, Minor in Computer Science

University Honors College, Gemstone Honors Program

August 2016 - May 2020

GPA: 3.51

PROFESSIONAL EXPERIENCE

Canded - Co-Founder & Product Lead

May 2020 - Present

- Launched premier journaling web application intended to help improve the mental health of those affected by the COVID-19 pandemic
- Created product strategy, product roadmap, and feature definition in collaboration with agile scrum team
- Conducting user interviews with 100+ users to translate feedback into prioritized product enhancements
- Designed
- Employed Twilio service with Node.js to directly communicate with users about issues they are experiencing

Deloitte Consulting - Product Management Intern

May 2019 - August 2019

- Managed product and engineering responsibilities of developing an application which overhauled clients existing web-based supply chain management system
- Collaborated with Product Analysts, UX Researchers, and Senior Product Leadership to write product feature specs, write JIRA tickets, and groom feature backlog
- Increased client revenue by 30% by designing internal user metric tracking system which gathered data points to drive future iterations of the application
- Overhauled business pages using Salesforce Apex, Visualforce, and SOAP API to increase user engagement by 100%

National Institute of Standards and Technology (NIST) - Bioinformatics Intern

May 2018 - August 2018

- Wrote scripts for web-scraping and data analysis using Python to explore drug design possibilities for several bacterial proteins
- Improved testing scripts to reduce testing time by 75%
- Resulted in a published article in the Journal of Computer-Aided Molecular Design

PROJECTS

No Wait - Engineered an Alexa Skill using AWS Lambda and Google Maps API to help shoppers avoid long wait times outside stores

Cancer Malignancy - Devised a model to analyze and classify breast cancer tumors as cancerous or non-cancerous. Achieved an accuracy of 94%

Capstone Project - Collaborated with key stakeholders to engineer an AR Hololens Program to assist in spinal tap procedures. Reduced mistakes of junior doctors at Johns Hopkins by 20%

Gemstone Research - Utilized machine learning to create more accurate print jobs for custom 3D bioprinter. Resulted in a print accuracy of 96%

LEADERSHIP POSITIONS

Pi Sigma Epsilon Business Fraternity - Honor Board Chairperson

Upheld the fraternity Honor Code and adjudicated major cases of Honor Code Violation within the fraternity

Mental Health Student Advisory Board - At-Large Representative

Communicated with student counseling services and student body to create awareness about mental health initiatives on campus

Maryland Minza - Registration Chair

Helped organize an intercollegiate South-Asian fusion dance competition consisting of 200+ participants

SKILLS & RELEVANT COURSEWORK

Languages: Python, Java, C, Ruby, Node.js, SQL

Frameworks/Tools: Flask, Git, JIRA, Confluence, PostgreSQL, Hadoop

Courses: Algorithms, Concurrency, Computer Architecture, Team Dynamics and Research Methods, Engineering Project Management, Statistics for Experimental Design and Analysis