Della Sihite

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EDUCATION

Duke University, GPA: 4.0/4.0   Durham, NC
Bachelor of Science in Computer Science and Economics (Finance Concentration)   May 2023
Relevant coursework: Computer Architecture, Data Structures & Algorithms, Introduction to Database Systems, Mobile App Development, Multivariable Calculus, Probability. Statistical Modeling

PROFESSIONAL EXPERIENCE

OpenSpace Inc.   June 2020 – current
Chief Technology Officer
- Student-led startup connecting 80+ students to storage hosts; amassed $10,000 revenue in 2019
- Refactoring web app to automate host-matching process (Django, HTML/CSS, JavaScript)

myDrugCosts   May 2020 – current
Machine Learning Intern
- Developed savings recommendation algorithm in Python and analyzed data with DBSCAN clustering
- Performed data analysis on 2 million claims, created analytics dashboard for 6000 clients (Power BI)

Sentry AI   August 2019 – March 2020
Student Consultant
- Consulted for artificial intelligence startup; researched 10 competitors and performed competitive analysis
- Doubled website's pageviews and increased conversion rate by 30% using targeted marketing and SEO

Summer Science Program   June 2018 – August 2018
Student Researcher (Astrophysics)
- Selective research program with <10% acceptance rate; first student from Indonesia in its 60-year history
- Wrote Least Squares Reduction program to calculate asteroid 1627 Ivar's orbital elements (Python, numPy)

TECHNICAL PROJECTS

COVID-19 Reopening Algorithms (Flask, HTML/CSS, JavaScript, GLPK)   July 2020
Optimizing COVID-19 reopening with graph theory, working with Prof. Vincent Conitzer and Debmalya Panigrahi
- Leading website development using HTML and jQuery, integrate with optimization algorithm using Flask

WakeCareZ (React, HTML/CSS, Airtable)   May 2020
Student-led nonprofit organization lending books to Wake County children to educate them on social justice issues
- Built library website with React and HTML, utilizing Airtable API as collaborative backend database

LEADERSHIP EXPERIENCE

HackDuke Planning Committee, *Logistics Co-Director*
- Lead a team of 5 in managing a $50,000 budget for annual social good hackathon with 1000+ participants

Duke Business Oriented Women, *Technology Committee*
- Coordinate with 6 students organizing workshops & networking events for underrepresented groups in tech

Females Excelling More in Math, Engineering, and Science (FEMMES), *Volunteer*
- Weekly volunteer teaching 4th-6th grade female students science, mathematics, and engineering concepts

SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, C, R, Swift, MIPS Assembly
Tools & Frameworks: React.js, Pandas, Django, Flask, TensorFlow, Tableau, Power BI, Git