Vineet Parvathala

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EDUCATION

UNIVERSITY OF MICHIGAN   **ANN ARBOR, MI**
Bachelor of Science in Computer Science   May 2021
GPA: 3.62 / 4.00 | **Relevant Coursework**: EECS 281 (Data Structures and Algorithms), MATH 214 (Linear Algebra), EECS 280 (Intro to Data Structures), EECS 203 (Discrete Math), EECS 183 (Elementary Programming Concepts), STATS 250 (Intro to Statistics and Data Analysis)
Awards & Honors: 1st Place – Ann Arbor SPARK Venture Capital Pitch Competition (March 2019)

WORK & LEADERSHIP EXPERIENCE

UMICHMART (UM²) - Software Developer/User Interface Designer   January 2019 - Present
- Performed market research via surveys and interviews, analyzing campus preferences to determine that 98.7% of college students sampled desired a convenient and secure platform for student-based transactions
- Developed React Native e-commerce application for Android and iOS to facilitate consumer-to-consumer (C2C) sales of student tickets and apartment leases, creating centralized campus marketplace for student goods and properties
- Led design vision for app by crafting sketches, process maps, wireframes, and Figma mock-up interfaces to improve user flow, optimize onboarding and refine dashboard navigation experience for new users
- Implemented in-app payment method and integrated PayPal with escrow service to prevent student fraud
- Negotiated contract with local startup incubator, securing $10,000 in legal and entrepreneurial resources

PREMIER KICKS - Business Manager & Application Architect   August 2019 - Present
- Designed mobile shortcut to automate the process of adding a sneaker to the cart, filling in shipping and billing information, and completing the purchase within a timeframe of three seconds
- Started online shoe venture, buying and reselling highly coveted sneakers for premium prices and analyzing sneaker market's adverse price movements to assess/control potential investment risk
- Leveraged social media platforms and local store partnerships to build customer base, completing $10,000 in transactions
- Forecasted geographic trends for sneaker/apparel demand, negotiating deals with international customers to improve profit margins

CHUBB - Technology Summer Analyst   May 2019 - August 2019
- Analyzed vendor data to identify drivers behind invalid business addresses and to better assess location risk in Chubb Marketplace, improving insurance agents' address accuracy by 30% for 40,000 quotes per month
- Conducted quality control and technology assessments using HP Application Lifecycle Management web client tool to review app development and performance defects within recently launched quote service
- Created visual aids and charts, documenting new agent onboarding workflow and recommending process improvements to eliminate team dependencies and expedite onboarding time by 50%

NEW JERSEY INSTITUTE OF TECHNOLOGY - Biomedical Engineering Analyst Intern   June 2017 - May 2017
- Created prototype to combat Parkinsonian tremor by stimulation of wrist receptors, increasing wrist stability and enhancing basic patient movements and tasks such as eating and writing
- Evaluated stability data of over 50 patients using MATLAB programs and constructed visuals to depict a representative correlation between patient stability and factors such as age and physique
- Analyzed Arduino-based micro-controllers and devices to understand implementation purpose, assess areas of improvement, brainstorm functional use cases, and recommend a novel design

PROJECTS

QUANT APP (Javascript/React)   Fall 2019
- Designed and implemented user interface for Kappa Theta Pi's Quant Committee to display portfolio metrics for different quantitative algorithms that trade stocks and options
- Utilized React Native with Expo to create interface that uses backend API to communicate with AWS instance running trading algorithms

BAYESIAN MACHINE LEARNING CLASSIFIER (C++)   April 2019
- Devised a Bayesian classifier written in C++ to organize and classify topics of piazza.com posts based on their content
- Enhanced classifier capabilities using search-tree based data structures and memory management

SKILLS, INTERESTS, & ACTIVITIES

SKILLS: C++, Java, Python, SQL, React Native, HTML/CSS, VBA, Tableau, MATLAB, Figma, Final Cut Pro X, Adobe Photoshop
INTERESTS: University of Michigan sports, fantasy football, sneakers, cooking, table tennis, dancing, stock/options trading
ACTIVITIES: Kappa Theta Pi - Professional Technology Fraternity, StartUM Entrepreneurship, Society of Young Innovators, Michigan Hackers - Core iOS Team, EECS 203 (Discrete Math) Tutor, Indian American Student Association Dance Team