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Education

University of Massachusetts, Amherst

Expected Graduation: December 2021

Major: B.S. Data Science and Economics | **Minor:** Computer Science | Recent GPA: 3.6/4.0

Relevant Coursework: Big Data Economics, Computer Systems Principles, Data Structures II, Data Visualization and Exploration (Graduate), Game Theory, Human-Computer Interaction, Predictive Analytics with Python, Survey of Digital Behavioral Data

Awards: Dean's List, Dean's Award for Outstanding Leadership, Rewriting the Code Fellow

Work Experience

Software Engineering Intern, Liberty Mutual Insurance | *Seattle, WA*

June 2020 – December 2020

- Employed a user-centric design to build an internal access portal in React creating accessibility for testing on recent agency data
- Developed a log and alert tool with Splunk and Java which identifies data pipeline inconsistencies and builds end-to-end support
- Reduced technical debt in Azure by prioritizing weights of individual query fields and restructuring agency database graph

Career Developer, College of Information and Computer Sciences Careers | *Amherst, MA*

August 2020 – Present

- Analyze career engagement data from Tableau and Google Analytics to create data visualizations which illuminate student needs
- Engage in empathetic relationship-building with over 50 employers to research and map specific pain points in hiring practices
- Deploy A/B testing experiments to measure engagement, identify gaps in resources, and estimate opportunities for scalability

Technical Leadership

Product Manager, BUILD UMass | *Amherst, MA*

April 2020 – Present

- Define the product roadmap by diagnosing client's specific use cases to innovate potential feature's design and degree of feasibility
- Correlate between client and team of software developers to translate client's need's definitions into nurtured technical solutions
- Run pilot programs with early-stage implementation of technical solutions to measure success and identify changes to delivery

Director, Hack(H)er413 | *Amherst, MA*

March 2019 – April 2020

- Orchestrated a successful 300+ student hackathon through leading a cross-functional team of 20 students across eight disciplines
- Increased funding by \$16,500 (to \$68,000) by designing a monetization pricing model & engaging key data insights to sponsors

Projects

Measuring COVID-19 Impact on Demand for Insurance Quotes, Liberty Mutual Insurance | *Seattle, WA*

August 2020

- Built a data visualization tool in Python to analyze change in demand for insurance quotes due to new COVID-19 cases per state

LibertyBot, Liberty Mutual Insurance | *Seattle, WA*

July 2020

- Developed a chatbot for Liberty Mutual's iOS app which cultivates "individual intelligence" and personalizes customer experience

#DevelopHER, Twitter | *San Francisco, CA*

June 2020

- Utilized Python 3 and Java 8 to successfully complete and win 1st place in a coding challenge created by Twitter Engineers as one of 40 attendees selected from an applicant pool of 1,000+ to attend a two-day interactive program for computer science students

DeepCheck, TechTogether Boston Hackathon | *Boston, MA*

March 2019

- Engineered a proof of concept of how vitriolic social media activity might be discovered using machine intelligence and later evaluated by law enforcement officials to complement or augment pending background checks for firearm purchases in the U.S.
- Implemented the Twitter Developer API to gather a specific user's array of tweets and developed a Natural Language Processing Model in Microsoft Azure at 84% accuracy in Python3 which scans the array for offensive language or hate crime encouragement
- Honored to win Microsoft's Azure Champ Challenge, Citizens Challenge, and seed funding opportunity from Underscore VC

Skills and Interests

Technologies & Tools: Java, Python, SQL, REST APIs, Azure, Splunk, Figma, JIRA, Bitbucket

Analytical: Market Mapping, Data Visualizations, Behavioral Economics, A/B Testing, Empathy Interviews

Interests: Conscious Consumer Behavior, Economics of Big Data, Modern Monetary Theory