

ANDREW LEE

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EDUCATION

Boston University, Boston, MA

Dec 2023

Bachelor of Arts, Statistics and Computer Science
Minor in Business Administration

Overall CGPA: 3.48

Community College of Rhode Island, Warwick, RI

May 2020

Associates of Arts, General Studies

Overall CGPA: 4.00

PROJECTS

Hack Harvard

A social media platform called *promptu* based on spontaneous voice messages that answer daily engaging and fun prompts. Worked in a team of four over a period of 36 hours to create a fully CRUD application with user authentication.

Technologies: ReactJS, Chakra UI, NodeJS, NoSQL and Firebase (scaleable up to 1 million users).

Campus Survivors

A full CRUD website for sexual assault survivors on college campuses to share their story anonymously. Stories are accessible by college campus. Stories are submitted for review and posted for others to see.

Technologies: ReactJS, Material UI, NodeJS and Firebase.

Daily Node Blog

A tech themed blog that supports CRUD and user authentication. Contains blog posts where I discuss ideas in tech that I'm learning.

Technologies: ReactJS, Ruby on Rails and NodeJS.

WORK EXPERIENCE

Boston University Spark! (Tech Incubator), Boston MA

May 2022 - Present

Project Manager

- Fostered agile team environments to optimize communication, workflow, and resource management using Trello and Slack
- Evaluated client needs and planned sprints to produce the desired deliverable
- Oversaw GitHub workflows and resolved merge conflicts on main and development branches
- Mentored students on data extraction and cleaning using Python and MySQL

Center of Mind and Culture, Boston MA

Feb - Aug 2022

Computational Research Fellow

- Improved accuracy to a system dynamic model modeling suicidal depression using AnyLogic
- Researched 'resiliency' by citing studies and speaking to psychological researchers to effectively measure its impact on suicidal depression
- Streamlined Gephi toolkit to create live analysis on the network of interdisciplinary research from 1960 to present day

Digital Asset Management Group, Chicago IL

June - Aug 2021

Strategy Development Intern

- Improved throughput by 50% on event streaming architecture with Apache Kafka and Binance Web-Socket APIs. Streaming speed as fast as 500-200ms
- Created a tool to visualize the weighted network of cryptocurrency 1000+ exchange pairs (by volume)
- Styled internal trading platform with Bootstrap and made it responsive for different resolutions

Community College of Rhode Island, Warwick RI

Jan 2019 - Aug 2021

Tutor / Lab Assistant / Orientation Leader

- Refocused students struggling in calculus, economics, and chemistry
- Evaluated students' assessments to formulate effective study plans
- Taught proper lab techniques and safety procedures to students for General Chemistry I and II
- Performed campus tours, educating prospective students on student life, financial aid, resources and registration

Community College of Rhode Island, Warwick RI

Jan 2019 - Aug 2021

IRA Research Analyst

- Sorted and cleaned student data for requests by state and federal agencies using Python and Excel
- Programmed data visuals with tree maps, geographical maps, density maps, and Gantt charts to effectively communicate analysis to administration and policy makers
- Built PowerPoint presentations with data visuals in describing certain relationships between demographic data
- Researched and proposed new structures for internal-use data dictionary

SKILLS

Languages	Python, JavaScript, Java, Ruby, Rust, R, SQL, Solidity, HTML, CSS
Framework	ReactJS, ExpressJS, Ruby on Rails
Libraries	NetworkX, SciPy, NumPy, Matplotlib, Pandas, Plotly, TensorFlow
Tools	Apache Kafka, Tableau, Adobe Suite, Microsoft Suite
Databases	PostgreSQL, MySQL, NoSQL
Cloud Technologies	Google Cloud, Azure

CO-CURRICULARS

Community College of Rhode Island

President, Knight Campus Student Government

Actor, The Players

Member, PTK Honor Society

Advocate for higher education policy

Boston University

Mentor, Transition to BU

Treasurer, BU Fitness Club

Member, BU Blockchain Club

Member, Entrepreneurship Club

OTHER

Coursework	Computer Systems, Data Structures, Analysis of Algorithms Software Engineering, Linear Algebra, Calculus-based Probability, Analysis of Variance, Linear Models, Multivariate Calculus
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