Alicia Bochnak

EDUCATION

UNIVERSITY OF MASSACHUSETTS, AMHERST
BS in Informatics
Concentration in Data Science
Expected May 2020
GPA: 3.25/4.0

COURSEWORK

Programming Methodology
Web Programming
Introduction to Human-Computer Interacton
Digital Forensics
Methods of Applied Statistics
Computer Systems Principles
Telling Stories with Data: Statistics, Modeling, and Visualization
Business Intelligence and Analytics
Using Data Structures
Programming with Data Structures
Introduction to Data Science
Introduction to Problem Solving with Computers
Introduction to Statistics

SKILLS

PROGRAMMING
Python • R • SQL • Java • Ruby on Rails • HTML • CSS

TOOLS
PyCharm • RStudio • Teradata • MySQL • Tableau • Power BI • Git • Axure RP • Adobe Photoshop • Adobe XD

DATA SCIENCE PACKAGES
sentiment-R • DPlyr • R-Shiny • ggplot2 • NumPy • SciPy • Pandas

EXPERIENCE

LIBERTY MUTUAL INSURANCE | TechStart Intern
May 2019 – August 2019 | Dover, NH
- Modified existing analytics dashboard for claims management in Power BI
- Created a new Power BI dashboard which encompasses historical, individual, and overall views for claims management teams.
- Iterated on UX design for a internal IT status portal using tools
- Used Axure RP, Adobe Photoshop, and Adobe XD to create mockups and prototypes.
- Developed the status portal frontend using HTML, CSS, and Angular.

UMASS AMHERST INFORMATION TECHNOLOGY DEPARTMENT
Ruby on Rails Developer
January 2018 – May 2020 | Amherst, MA
- Developed a Ruby on Rails application for internal HR and IT management.
- Implemented functionality allowing users to make system wide announcements and alerts.
- Created an end to end system for posting open positions, acquiring candidates, scheduling interview times, and onboarding for the hiring process.

VOLUNTEER

HACKUMASS/HACKHER413 | Hackathon Technology Director
March 2018 – February 2020 | Amherst, MA
- Served as a volunteer organizer for two events with over 1,300 combined participants.
- Managed the mentorship system for HackUMass, ensuring that participants were matched with on-site mentors.
- Handled day of logistics for HackUMass and Hackher413.
- Administered marketing campaigns using the MailChimp API and managed social media accounts.
- Managed weekly standups for a team for eight student developers,
- Responsible for the technology efforts of both hackathons in developing open source tools.

PROJECTS

CLAIMS FILING APPLICATION | Liberty Mutual Intern Hackathon
Winner of Wild Card Category
- Built a web application in 12 hours which uses a machine learning model to process insurance claims.
- Created UX mockups to simplify the process of filing a claim.
- Developed the application frontend using HTML, CSS, and React.

CAMPAIGN TWEETS DATA ANALYSIS | Data Science Coursework
- Created a dataset on the 2016 election by cleaning and filtering candidate tweets using DPlyr.
- Used sentiment analysis to compare sentiment between Donald Trump and Hillary Clinton tweets using sentiment-R package.
- Compared sentiment between Android and iPhone-sent tweets on Donald Trump's Twitter account.