

EDUCATION

University of Illinois at Urbana-Champaign
Bachelor of Science in Statistics and Computer Science

August 2019 – December 2022
GPA: 3.55/4.00

RELEVANT EXPERIENCE

Ford Motor Company

Data Science Intern

May 2021 – August 2021

- Wrote SQL queries to retrieve thousands of data entries from Ford automobiles, coding using PuTTY, Hadoop, and command line.
- Programmed the SQL queries that defined the usage for Selectable Drive Modes, a feature being launched in emerging Ford vehicles, on the Ford wiki. Used queries to generate large Microsoft Excel files for data analysis purposes.

Software Development Intern

June 2020 – August 2020

- Installed command line, Git, and DET software to research and build the Ford SYNC 4.0, an upgraded infotainment system and smart HMI for all future Ford vehicles.
- Formulated new data structures that logged GPS navigation data (such as system tick, gyro/accelerometer data, and dead reckoning) for SYNC 4.0 off-board software to process.

ATLAS

Web Development Intern

September 2020 – May 2021

- Pioneered a custom-made website for a UIUC professor using web development software and WordPress technologies.
- Cultivated the website and its corresponding files, integrating hundreds of audio files and texts in multiple languages.
- Kickstarted the Web Development team at ATLAS and conducted outreach in search of the first clients. Organized team specifications and processes.

Software Engineering Intern

October 2019 – December 2019

- Experimented with Raspberry Pis and WebTools to improve functionality for all of UIUC's Digital Signs, which are digital billboards used to display information across many buildings on campus.
- Improved accessibility to the Digital Signs through connecting the Raspberry Pis to large monitor screens and wrote extensive code documentation for future interns to use.

Gies College of Business

Research Intern

December 2019 – April 2020

- Employed technologies such as Amazon Web Services, Node.js, Ubuntu, R, and Python packages (BeautifulSoup) to scrape textual data off of tens of websites.
- Compiled studies from 30 academic journals to analyze the supply side of counterfeit markets and its economic impact.

PROJECT HIGHLIGHTS

Produce 101 Rankings

April 2018 – Current

- Applied HTML5, CSS and JavaScript to visualize the ranking data and engineered it into digital charts for my websites, which have now attracted more than 425,000 unique users from 200+ countries.
- Integrated d3.js, Google Spreadsheets, and Microsoft Excel files to process thousands of data values and compiled them into infographic rankings.

Machine Learning Data Analysis

October 2017 – August 2018

- Wrote scripts in R to extract and process big data sets containing 300k+ data instances, mapping out data visualizations of the correlations between every attribute in the data set.
- Constructed a low-cost multivariate linear regression model by incorporating computer-aided predictive modeling.
- Won the National 1st Place award at MIT INSPIRE, the world's largest humanities & social sciences research competition. Resulted in submission to Harvard JEI and is pending publication.

ACTIVITIES

Monta Vista TECH

Lead Director

May 2018 – May 2019

- Implemented curriculums in web development, iOS development, Android development, and algorithms and data structures.
- Founded a team of about 30 officers from 5 different sub-organizations and oversaw the ~15 types of tech conferences and competitions through coordinating weekly meetings and facilitating cross-club relations.
- Improved member attendance across all clubs by 300% through spearheading active social media promotions, organized and managed \$1000 worth of club apparel, and administering cross-club events and photoshoots.

SKILLS

Languages: C, C++, CSS, Git, GitHub, HTML, Java, JavaScript, MIPS, Python, R, SQL, Verilog