KENNETH MORTON, JR

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EDUCATION

2020 **Worcester Polytechnic Institute (3.6/4.0 GPA)** **Worcester, MA**
- B.S. Computer Science, Data Science Minor

2019-2020 **SNAPP: Mobile Transportation Application (Major Qualifying Project)** **Worcester, MA**
- Developed a cross platform mobile app on an Agile team similar to Uber for WPI students to request transit from the on-campus SNAP transportation service. (Flutter)

Fall 2018 **Interactive Qualifying Project in Partnership with the Venice Project Center** **Venice, Italy**
- Launched an open data initiative by revamping a data viz tool and creating a timeline website. (HTML/JS/CSS)

WORK EXPERIENCE

March 2021-Present **trenderTag, Founding Software Engineer** **Boston, MA**
- trenderTag is an intelligent, automated way to filter, find, and engage across all social media platforms, content platforms, and websites in one place.

May 2020-March 2021 **Vee24, Full Stack Software Engineer** **Boston, MA**
- Developed a cross platform mobile application for customers to participate in video/text engagements. (Flutter)
- Enhanced user experience by integrating mobile responsiveness into Vee24's SaaS Product. (Angular)
- Collaborated with software engineers on an Agile team to architect, design, and implement features for Vee24's live engagement platform. (Angular, C#, SQL)

Summer 2019 **Travelers Insurance, Software Engineering Intern** **Hartford, CT**
- Developed a dynamic, secure website for the Travelers hackathon to store and showcase sensitive information.
  - Leveraged AWS S3 for storage, CloudFront for fast retrieval of content, and Lambda for authentication.
- Promoted inner sourcing within the company by implementing a "Bounty Board" website. (React)

Summer 2018 **Travelers Insurance, Software Engineering Intern** **Hartford, CT**
- Accelerated Agile transformation effort by creating a program to automatically collect, process, model, and visualize team performance data. (Java)
- Increased performance of existing data collection scripts by 28% and test coverage by 51%. (Python)
- Drove interest in TDD by proposing an autonomous testing solution to software engineering teams.

July 2017 **Central Connecticut State University, Research Assistant** **New Britain, CT**
Teaching Software Engineering with Lego Serious Play, Stan Kurkovsky
- Lego Serious Play (LSP) was used successfully as a mechanism for team building & promoting creativity.
  - Outlined the practical aspects of using LSP to teach Software Engineering.
  - Created UML use diagrams for software systems and represented data structures with Lego models.
- Results suggest that LSP has a positive impact on student learning and engagement.

SELECTED PROJECTS

Hospital Kiosk App Worked as an assistant lead software engineer on an 11-person Agile team to create an indoor pathfinding application, map builder, and room scheduler for Brigham & Women's main hospital campus. (Java)
User Agent Parser Created an open source package to help identify web browser information from a user agent string. (Flutter)
iTunes Top 100 Built a dynamic, responsive website to display the current top 100 albums on iTunes. (Angular).
NERB Website Developed a modern, responsive website for the New England Roast Beef restaurant using. (Vue.js)
Friends Predicted whether pairs of people are friends or not with 92% accuracy. (Tensorflow, scikit-learn)
Airbnb DataViz Created a website that visualizes airbnb price data in the five NYC boroughs. (Vue.js, D3.js)
Number AI Trained an AI to recognize handwritten numbers with 97% accuracy. (Python, Keras)
Avocados Website Collected, analyzed, and visualized data about avocados and built a website. (Python, HTML/CSS)
NYC DataViz Visualized parking violations over a map of income in New York City. (Python, GeoPandas)
Tic Tac Toe Coded an interactive tic tac toe game. (Vue.js)
Graph Experiment Built a website to scientifically determine if bar charts are better than pie charts. (React)
HTTP Client/Server Implemented a HTTP client and server running a simplified version of the HTTP 1.1 protocol. (C++)

Programming Python, JavaScript, HTML/CSS, Dart, Java, SQL, C, C++, C#
Frameworks & Tools Angular, Flutter, React, Vue.js, Git, Tableau, Travis CI, Keras, Firebase, D3.js

RELEVANT COURSEWORK

Computer Networks, Algorithms, Software Engineering, Artificial Intelligence, Machine Learning, Data Visualization, Database Systems, Operating Systems, Discrete Mathematics

EXTRA-CURRICULARS

Eagle Scout Headed an Eagle Scout project by designing and building benches for Trinita, a local retreat center.
Emerging Leaders Selected as one of 25 students to improve my leadership skills by engaging in weekly leadership symposiums.
Investing Association Conveyed stock pitches and investment strategy to the club by tracking and analyzing stocks.
Golf Volunteer Volunteered on the green management team at the annual Travelers Championship golf tournament.