

# KENNETH MORTON, JR

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## EDUCATION

2020	<b>Worcester Polytechnic Institute, B.S. Computer Science, Data Science Minor, (3.6 GPA)</b>	<b>Worcester, MA</b>
	<ul style="list-style-type: none"><li>- Emerging Leaders Graduate - Selected as one of 25 students to improve and advance my leadership skills by engaging in weekly leadership symposiums.</li><li>- Investing Association - Conveyed stock pitches and investment strategy to the club.</li></ul>	
2019-2020	<b>SNAPP: Mobile Transportation Application (Major Qualifying Project)</b>	<b>Worcester, MA</b>
	<ul style="list-style-type: none"><li>- 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 using Flutter.</li></ul>	
Fall 2018	<b>Interactive Qualifying Project in Partnership with the Venice Project Center</b>	<b>Venice, Italy</b>
	<ul style="list-style-type: none"><li>- Launched an open data initiative by revamping a data visualization tool and creating a timeline application.</li></ul>	

## WORK EXPERIENCE

May 2020-Present	<b>Vee24, Software Engineering Intern</b>	<b>Boston, MA</b>
	<ul style="list-style-type: none"><li>- Enhanced user experience by integrating mobile responsiveness into Vee24's customer engagement website.</li><li>- Collaborated with software engineers on an Agile team to architect, design, and implement features for Vee24's live engagement platform (Angular, Typescript, CSS).</li></ul>	
Summer 2019	<b>Travelers Insurance, Software Engineering Intern</b>	<b>Hartford, CT</b>
	<ul style="list-style-type: none"><li>- Developed a dynamic, secure website for the Travelers hackathon to store and showcase sensitive information.<ul style="list-style-type: none"><li>- Leveraged AWS S3 for storage, CloudFront for fast retrieval of content, and Lambda for authentication.</li></ul></li><li>- Promoted inner sourcing within the company by implementing a "Bounty Board" website using React.</li></ul>	
Summer 2018	<b>Travelers Insurance, Software Engineering Intern</b>	<b>Hartford, CT</b>
	<ul style="list-style-type: none"><li>- Accelerated Agile transformation effort by creating a Java program to automatically collect, process, model, and visualize team performance data.</li><li>- Increased performance of existing python scripts by 28% and test coverage by 51%.</li><li>- Drove interest in TDD by proposing an autonomous testing solution to software engineering teams.</li></ul>	
July 2017	<b>Central Connecticut State University, Research Assistant</b>	<b>New Britain, CT</b>
	<i>Teaching Software Engineering with Lego Serious Play, Stan Kurkovsky</i> <ul style="list-style-type: none"><li>- Lego Serious Play (LSP) was used successfully as a mechanism for team building &amp; promoting creativity.<ul style="list-style-type: none"><li>- Outlined the practical aspects of using LSP to teach Software Engineering.</li><li>- Created UML use diagrams for software systems and represented data structures with Lego models.</li></ul></li><li>- Results suggest that LSP has a positive impact on student learning and engagement.</li></ul>	

## SELECTED PROJECTS

<b>Hospital Kiosk</b>	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.
<b>iTunes Top 100</b>	Created a dynamic, responsive website to display the current top 100 albums on iTunes using Angular.
<b>NERB Website</b>	Developed a modern, responsive website for the New England Roast Beef restaurant using Vue.js.
<b>Airbnb DataViz</b>	Created a website using Vue.js and D3.js that visualizes airbnb prices in the five NYC boroughs.
<b>Number AI</b>	Trained an AI to recognize handwritten numbers with 97% accuracy.
<b>Avocados Website</b>	Collected, analyzed, and visualized data about avocados and built a website to present the information.
<b>NYC DataViz</b>	Visualized parking violations over a map of income in New York City using Python and GeoPandas.
<b>Tic Tac Toe</b>	Coded an interactive tic tac toe game while learning Vue.js.
<b>Graph Experiment</b>	Built a website using React to scientifically determine if bar charts are better than pie charts.
<b>HTTP Client/Server</b>	Implemented a HTTP client and server running a simplified version of the HTTP 1.1 protocol.

## SKILLS AND TECHNOLOGY

<b>Programming Languages</b>	JavaScript, HTML/CSS, Python, Dart, Java, SQL, C, C++, C#
<b>Frameworks and Tools</b>	Vue.js, Flutter, React, .NET, Angular, 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

<b>Eagle Scout</b>	Headed an Eagle Scout project by designing and building benches for Trinita, a local retreat center.
<b>Golf Volunteer</b>	Volunteered on the green management team at the annual Travelers Championship golf tournament.