

# KENNETH MORTON, JR

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## OBJECTIVE

I am seeking a challenging software engineering position that will make use of my experience working on agile software development teams to create impactful applications.

## EDUCATION

<b>2015-2020</b>	<b>Worcester Polytechnic Institute, B.S. Computer Science, Minor in Data Science</b>	<b>Worcester, MA</b>
	<ul style="list-style-type: none"><li>- Emerging Leaders Graduate- Matured my leadership style by participating in leadership symposiums.</li><li>- Investing Association- Conveyed stock pitches and investment strategy to the club.</li></ul>	
<b>2019-Present</b>	<b>SNAPP: Mobile Transportation Application (Major Qualifying Project)</b>	<b>Worcester, MA</b>
	<ul style="list-style-type: none"><li>- Developed a cross platform app on an agile team similar to Uber for WPI students to request transit from the on-campus SNAP transportation service.</li></ul>	
<b>Fall 2018</b>	<b>Interactive Qualifying Project in Partnership with the Venice Project Center</b>	<b>Venice, Italy</b>
	<ul style="list-style-type: none"><li>- Led a four-person interdisciplinary team in Venice which developed a data visualization tool and timeline application for the Venice Project Center.</li></ul>	

## WORK EXPERIENCE

<b>Summer 2018 and 2019</b>	<b>Travelers Insurance, Technology Leadership Development Program Intern</b>	<b>Hartford, CT</b>
	<ul style="list-style-type: none"><li>- Managed and developed a project on an agile team that provides work/time in progress metrics to all of Personal Insurance Business Technology.<ul style="list-style-type: none"><li>- Leveraged the Rally Lookback API to retrieve and analyze user story revision history.</li><li>- Automated extraction of the work/time metrics at the end of each agile iteration.</li><li>- Optimized existing python scripts to follow the latest “best practice” measures.</li></ul></li><li>- Developed a webpage for an enterprise hackathon event which allows users to upload and view videos of their project.<ul style="list-style-type: none"><li>- Leveraged AWS S3 for storage and CloudFront for fast retrieval of videos.</li></ul></li><li>- Implemented a “Bounty Board” website that would promote inner sourcing within the company.</li></ul>	
<b>July 2017</b>	<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>	
<b>2016-2017</b>	<b>Precious Metal Sales, Precious Metal Packer</b>	<b>Watertown, CT</b>
	<ul style="list-style-type: none"><li>- Built a computer used for internal and external video surveillance around the office.</li><li>- Handled and packed precious metals for shipment to customers while upholding quality control measures.</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>NERB Website</b>	Developed a modern and responsive website for New England Roast Beef in Vue.js.
<b>Airbnb DataViz</b>	Created a website using Vue.js and d3.js that illustrates airbnb prices in the different NYC neighborhoods.
<b>Number AI</b>	Trained an AI to recognize handwritten numbers with 97% accuracy.
<b>Avocados Website</b>	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>	Produced 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,, Swift, SQL, C, C++, C#
<b>Software &amp; Frameworks</b>	Vue.js, Nuxt.js, React.js, Angular, Git, Tableau, Flutter, .NET, Travis CI, Keras, Firebase, D3JS, QlikView

## 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.