

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

2015-2020	Worcester Polytechnic Institute, B.S. Computer Science, Minor in Data Science	Worcester, MA
	<ul style="list-style-type: none">- Emerging Leaders Graduate- Matured my leadership style by participating in leadership symposiums.- Investing Association- Conveyed stock pitches and investment strategy to the club.	
2019-Present	SNAPP: Mobile Transportation Application (Major Qualifying Project)	Worcester, MA
	<ul style="list-style-type: none">- 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.	
Fall 2018	Interactive Qualifying Project in Partnership with the Venice Project Center	Venice, Italy
	<ul style="list-style-type: none">- Led a four-person interdisciplinary team in Venice which developed a data visualization tool and timeline application for the Venice Project Center.	

WORK EXPERIENCE

Summer 2018 and 2019	Travelers Insurance, Technology Leadership Development Program Intern	Hartford, CT
	<ul style="list-style-type: none">- 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">- Leveraged the Rally Lookback API to retrieve and analyze user story revision history.- Automated extraction of the work/time metrics at the end of each agile iteration.- Optimized existing python scripts to follow the latest “best practice” measures.- 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">- Leveraged AWS S3 for storage and CloudFront for fast retrieval of videos.- Implemented a “Bounty Board” website that would promote inner sourcing within the company.	
July 2017	Central Connecticut State University, Research Assistant	New Britain, CT
	<i>Teaching Software Engineering with Lego Serious Play, Stan Kurkovsky</i> <ul style="list-style-type: none">- Lego Serious Play (LSP) was used successfully as a mechanism for team building & promoting creativity.<ul style="list-style-type: none">- 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.	
2016-2017	Precious Metal Sales, Precious Metal Packer	Watertown, CT
	<ul style="list-style-type: none">- Built a computer used for internal and external video surveillance around the office.- Handled and packed precious metals for shipment to customers while upholding quality control measures.	

SELECTED PROJECTS

Hospital Kiosk	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.
NERB Website	Developed a modern and responsive website for New England Roast Beef in Vue.js.
Airbnb DataViz	Created a website using Vue.js and d3.js that illustrates airbnb prices in the different NYC neighborhoods.
Number AI	Trained an AI to recognize handwritten numbers with 97% accuracy.
Avocados Website	Analyzed and visualized data about avocados and built a website to present the information.
NYC DataViz	Visualized parking violations over a map of income in New York City using Python and GeoPandas.
Tic Tac Toe	Produced an interactive tic tac toe game while learning Vue.js.
Graph Experiment	Built a website using React to scientifically determine if bar charts are better than pie charts.
HTTP Client/Server	Implemented a HTTP client and server running a simplified version of the HTTP 1.1 protocol.

SKILLS AND TECHNOLOGY

Programming Languages	Java, Python, Dart, JavaScript, HTML, CSS, Swift, SQL, C, C++, C#
Software & Frameworks	GitHub, Vue.js, Nuxt.js, Tableau, Flutter, .NET, Travis CI, Keras, Firebase, D3JS, QlikView, Unity

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.
Golf Volunteer	Volunteered on the green management team at the annual Travelers Championship golf tournament.