KENNETH MORTON, JR

(860) 502-7788 | kmorton15@gmail.com | github.com/kjmj | kenmortonjr.com

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

2020	**Worcester Polytechnic Institute, B.S. Computer Science, Data Science Minor, (3.6 GPA)**	**Worcester, MA**
	- Emerging Leaders Graduate- Matured my leadership style by participating in leadership symposiums.	
	- Investing Association- Conveyed stock pitches and investment strategy to the club.	
2019-2020	**SNAPP: Mobile Transportation Application (Major Qualifying Project)**	**Worcester, MA**
	- 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**
	- Led a four-person interdisciplinary team in Venice which developed a data visualization tool and timeline application for the Venice Project Center.	

WORK EXPERIENCE

May 2020-Present	**Vee24, Software Engineering Intern**	**Boston, MA**
	- Built a mobile responsive version of VeeStudio, Vee24's audio/visual customer engagement software so agents can operate away from their desk.	
	- Collaborated with software engineers on an agile team to architect, design, and implement features for Vee24's live engagement platform (Angular, Typescript, CSS).	
Summer 2018 and 2019	**Travelers Insurance, Technology Leadership Development Program Intern**	**Hartford, CT**
	- Created a Java program that runs bi-weekly to collect, process, and model agile team performance data.	
	- Data is then visualized and provided to all of the Personal Insurance Business Technology department.	
	- Optimized existing python scripts to improve performance, readability, and test coverage.	
	- Developed a website for an enterprise hackathon which let participants upload and view videos of their project.	
	- 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.	
	- Proposed 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	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, responsive website for the New England Roast Beef restaurant using Vue.js.
Airbnb DataViz	Created a website using Vue.js and D3.js that visualizes airbnb prices in the five NYC boroughs.
Number AI	Trained an AI to recognize handwritten numbers with 97% accuracy.
Avocados Website	Collected, 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	Coded 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	JavaScript, HTML/CSS, Python, Dart, Java, SQL, C, C++, C#
Frameworks and Tools	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

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.