

# John Spindler

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## EDUCATION

University of Massachusetts, Boston, MA

*Bachelor of Science in Computer Science*

September 2015 - May 2019

## PROJECTS

- J-- Compiler (Java)—Worked with and extended a functional Java compiler with more than 30,000 lines of code, allowing me to develop a proficient understanding of how compilers work, and how the Java language behaves.
- Isola (Haskell)—Created an AI bot to compete against other bots or humans in an Isola boardgame program. It utilizes the minimax algorithm with alpha-beta pruning and iterative deepening technique to ensure it chooses the best move within a given timeframe.
- Tunza Health (Django & jQuery)—Worked in a team of 5 to develop a web application that allows the caregiver of a “patient” to create a trustworthy network of individuals to assist the caregiver with their everyday tasks using the power of social networking.

## WORK EXPERIENCE

*Software Engineer*—Wayfair, Boston, MA

June 2019 - Present

*Welder*—Eastern Metal Industries, Saugus, MA

April 2014 - 2019

## SKILLS

Coding: Java, C++, Python, C, SQL, HTML, SASS/SCSS, Haskell, Bash,  
i386 Assembly

Technologies/Environments: Windows, Linux, Mac OS X, Vim, Visual Studio Code, Atom,  
MySQL, QT

## RELEVANT COURSEWORK

Compilers  
Artificial Intelligence  
Database Management

Software Engineering  
Computer Architecture  
Data Structures

Programming in C  
Advanced Algorithms  
Operating Systems

## AWARDS / AFFILIATIONS

Alpha Lambda Delta—*University of Massachusetts Boston*

January 2016 - Present

- Well-established national honor society for first-year students

John and Abigail Adams Scholarship—*Massachusetts Department of Education*