

EMPLOYMENT

R&D Intern	KEMP Technologies	April 2017 – August 2017
-----------------------	--------------------------	---------------------------------

Vision 2.0 KEMP Bot (Node.js)

- The development of a Slack Bot, which will serve as the centerpiece for customer engagement.
- Worked with a small team of senior software developers, system integrators, and quality assurance engineers.
- Moved hard-coded communication platform to an advanced NLP platform by integrating NLP to KEMP Bot using Microsoft Luis which calculates the score for each possible user intent and outputs the top scoring intent.

EDUCATION

Stony Brook, NY	Stony Brook University	August 2015 – May 2019
------------------------	-------------------------------	-------------------------------

- Bachelor of Science in Computer Science
- Undergraduate Coursework: Object-Oriented Programming; Data Structures and Algorithms; System Fundamentals I; Applied Linear Algebra; Discrete Mathematics; Calculus II; Finite Mathematical Structures; Survey of Probability and Statistics; Computer Science III; Natural Language Processing; Theory of Computation; Systems Fundamentals II; Analysis of Algorithms.

Bethpage, NY	Bethpage High School	September 2011 – May 2015
---------------------	-----------------------------	----------------------------------

- Advanced Regents High School Diploma and Mastery in Math
- Quarterly Gold Honor Roll Achievements

PROGRAMMING PROJECTS

Food Beyond (Python, HTML, CSS, JavaScript)	February 2017
--	----------------------

- Organizes the user's ingredients and lists recipes corresponding to the ingredients in the user's inventory.
- Using the Raspberry-Pi, SimpleCV, and UPC-database, we could scan items and update the user's ingredients.
- Designed and implemented the front-end of the project using HTML, CSS, Bootstrap, Javascript, and jQuery.
- Utilized the Food2Fork API and handled the front-end with Python, making the website dynamic.

Bombsweeper (MIPS Assembly)	November 2016
------------------------------------	----------------------

- Using ANSI characters and a custom font, we displayed the game on a 10x10 Memory Mapped I/O board in MARS.
- The focus of this project was to practice memory organization, read data from files, and use multidimensional arrays in MIPS.

Social Media Improvement Program (Java, HTML, CSS, JavaScript)	September 2016
---	-----------------------

- Incentivize reporting through a community policing platform that gives the user badges for consistently having good behavior and using our tribunal system.
- Used the Twitter API to query phrases in tweets and exported our user/Twitter data to a JSON file using Java.
- Designed the Tribunal using HTML and CSS and implemented the UI with Javascript by adding buttons and prompting the user with a pop-up message saying the process has been completed.

Languages and Technologies

- Proficient: Java, Python, Node.js (Back-end)
- Fundamental: HTML, CSS, Javascript (Front-end), Swift 3
- Technologies: Git, JSON, XML, FXML, Microsoft Azure, InfluxDB, Microsoft Luis, Chart.js, Slack Bot (Node.js), Behavior Driven Testing, Firebase, Jenkins