

Nicholas Ni

610 Beacon Street, Boston, MA ♦ (610) 680-6680 ♦ nicholas.ni2017@gmail.com
[linkedin.com/in/nicholasni](https://www.linkedin.com/in/nicholasni) ♦ github.com/bbpm99 ♦ bbpm99.github.io

EDUCATION

Boston University

Bachelor's in Computer Science (Cum. GPA: 3.94)

Minor in Economics

Recipient of Presidential Scholarship, Dean's List Fall 2017 - Spring 2019

Upsilon Pi Epsilon Honor Society Member

Boston, MA

September 2017 - May 2021

(Expected)

WORK EXPERIENCE

Visa Inc.

Software Test Engineer Intern

Foster City, CA

May - August 2019

- Implemented Java agent that captures code coverage metrics for a specific internal component in the payments processing flow to reveal the extent of test cases
- Ran regression and analyzed resulting coverage report to clarify to QA devs which areas lacked coverages and what additional test cases needed to be implemented
- Wrote script to optimize implementation process of the Java agent into the system, cutting implementation time and increasing overall efficiency by over 50%

Kumon

Academic Tutor

Glen Mills, PA

October 2013 - January 2014

- Assisted over 50 students from ages 5 to 16 in understanding a wide range of math and English concepts
- Adapted and improvised effective strategies of explaining topics for each student

PROJECTS

Sentimental Burger

October 2019

Created with SQLite, Express, React, and Node.js, a website that utilizes IBM sentiment analysis to present a list of Bob's Burgers episodes that match your feelings. Developed a script to scrape websites for Bob's Burgers scripts for database analysis.

Ticket-to-Ride Calculator

June 2018

Created using Swift, developed and designed a companion app that assists in computing total number of points for the popular board game, Ticket-to-Ride, as well as some fun animations

Real Friends

January 2018

Made during Brown Hackathon, created using Python, utilizing Twilio API, simulates responsive text messaging conversations with the use of a variety of trigger words for various situations

Connect Four

October 2017

Created using Python, features customizable board size, PvP functionality, and includes a simple reactive artificial intelligence opponent

Sudoku Solver

December 2017

Created using Java, features ability to input Sudoku puzzle and uses backtracking recursion and 3-D arrays to solve in just a few seconds

TECHNICAL SKILLS & RELEVANT COURSES

Languages & Software

Proficient: Python, Java

Familiar: React, Javascript, Node, Bash, C, Swift, XCode, LATEX, Android Studio, Photoshop, HTML, CSS, MS Office

Courses

Data Structures, Discrete Math & Combinatorics, Computer Systems, Linear Algebra, Algorithms, Functional Programming & Compilers, Software Engineering, Computational Probability