

Jack McNally

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Full Time Availability: **Starting May 2021**

Education

Northeastern University, Boston, MA

September 2017 - Present

Khoury College of Computer Science

Candidate for a Bachelor of Science in Computer Science and Mathematics

Expected May 2021

Related Courses: Web Development | Object Oriented Design | Database Design | Algorithms and Data | Linear Algebra

Activities: Treasurer of Beta Gamma Epsilon Engineering Fraternity | Eagle Scout of the Boy Scouts of America, Troop 67

Work Experience

Integrity Security Services, Boston, MA

July 2020 - Present

Software Engineer

- Utilized Node.js and MeteorJS framework to complete feature developments on both client and server side code
- Wrote HTML, CSS, and JavaScript using Bootstrap, ReactJS, and BlazeJS to create client side functionalities
- Created MongoDB aggregation pipelines to optimize server side performance and decrease RPCs from the client

Khoury College of Computer Science, Boston, MA

January 2019 - May 2020

Teaching Assistant for Object Oriented Design and Database Design

- Taught both syntax and high level concepts of Java and SQL to hundreds of students in Khoury College
- Held office hours twice a week to help students struggling with understanding class content or homework
- Graded Java and SQL assignments, midterms, and finals alongside Northeastern professors

Stanley Black & Decker, Waltham, MA

July 2019 - December 2019

Full-Stack Software Engineer

- Created an inventory management tool for all SBD digital products using Azure, SQL, Node.js, and Bootstrap
- Designed an extensive SQL database to track products, users, departments, and device lifecycles
- Used Azure DevOps to create a project tracking, management, and deployment environment

iCIMS, Middletown, NJ

June 2018 - August 2018

Front End Software Engineer

- Completed requests to build custom HTML forms submitted by clients using iCIMS software and Salesforce
- Utilized HTML, CSS, and JavaScript in order to create and edit front-end code for client use
- Managed communications and troubleshooting as it relates to new builds and modifications for HTML forms

Projects

SquashRank - Node.js Web Application - squashrank.herokuapp.com

September 2019

- Created and deployed a website used to log squash matches and rank players using the Elo rating system
- Developed a user friendly front-end with HTML, CSS, and Bootstrap, hosted on Heroku
- Connected the front end to server side Node.js code using HTTP methods and express web framework
- Logged users and matches using NoSQL JavaScript database NeDB, connected to backend with Node.js

VODCA - Value-Oriented Discounted Cash-Flow Analysis

February 2019

- Stock evaluation tool built at HackBeanpot, demoed to over 100, won "Most Technically Challenging" award
- Scraped information (growth estimates, P/E values, dividends) from Yahoo Finance using Python and lxml
- Developed an algorithm in Java to run a discounted cash-flow analysis on every stock in the S&P 500
- Utilized Java with Swing to create a UI to sort and view stocks by how undervalued each asset is

Computer Skills

Languages: *Proficient:* JavaScript | Java | SQL | HTML | CSS *Familiar:* Python | PHP | Lisp

Technologies: Git | MySQL Workbench | Elastic | Docker | Kibana | GoCD | VS Code | Bitbucket

Databases: MySQL | SQL Server | PostgreSQL | MongoDB | NeDB