SWAPNIL KHA

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EDUCATION

New York University Tandon School of Engineering, Brooklyn NY   May 2021
Bachelor of Science in Computer Science, Minor in Business Studies from NYU Stern School of Business
• Relevant Courses: Data Structures and Algorithms, Object-Oriented Programming, Computer Architecture, Design and Analysis of Algorithms, Operating Systems, Databases, Computer Networking

Harvard University, Cambridge MA   June 2015 to Aug. 2016
Summer Program (Jun - Aug)
• Relevant Courses: Intro to Mobile App Development using Swift and iOS, Great Ideas In Computer Science With Java

SKILLS

PROGRAMMING LANGUAGES: Python, Java, Groovy, C++, C, Swift, C#/.NET, HTML, Javascript, CSS
DATABASES: MySQL, NoSQL, MongoDB
TOOLS/FRAMEWORKS: GatsbyJS, Grails, Xcode/iOS, Node Red, Git, Strapi, NodeJS, Linux, Agile

EXPERIENCE

Sirvisetti Systems
Software Engineering Intern · Princeton, NJ   June 2019 to Aug. 2019
• Implemented an automated email-dispatching application using GatsbyJS and Groovy which emails clients at a user-provided date
• Integrated a MySQL database and Strapi Content Management System (CMS) into the back-end which both contain client information that can be retrieved by the front-end to generate the email body.

Software Engineering Intern · Princeton, NJ   June 2018 to Aug. 2018
• Designed and built an automated assistant adapter using Google Actions and IBMs Node-Red development environment
• Created a response system using Node-Red flows in which a sales rep requests Google Assistant for his monthly commission info
• Programmed an EDI parser which takes an EDI string containing sales rep info as input and converts it to JSON, which the adapter uses to calculate sales commissions

Gopeer
Computer Science/Math Tutor · New York, NY   Mar. 2019 to Present
• Tutoring middle and high schoolers in Java, Python, Swift, Geometry, Algebra 2, Calculus, and SAT/ACT prep

PERSONAL PROJECTS

Finstagram (MySQL/Python/Flask)   Nov. 2019 to Dec. 2019
• Designed an Instagram-like application where a user can post a picture, add friends to groups and search a photo by a tag or a username

Personal Website (HTML/Jekyll/Liquid)   July 2019 to Aug. 2019
• Designed a website using BootstrapCSS to showcase my background, programming skills and hobbies. Implemented an email form using PHP, as well as HTML links to social media and Github

Car vs Rideshare Comparison Calculator (C#/.NET)   June 2019 to July 2019
• Implemented a program that calculates whether it is more cost-efficient to buy a car or commute via rideshare over a 5 year period, using user input such as miles traveled per year, mpg of car, and annual insurance cost

Tic Tac Toe (iOS/Swift)   June 2018 to Aug. 2018
• Built Tic-Tac-Toe with Xcode using a 3x3 board to be played by two users. Designed a layout to make the game suitable for all ages, and optimized the layout to be compatible with the iPhone X

ACTIVITIES

NYU Machine Learning Club · Event coordinator of the executive board   Jan. 2020 to Present
• Advertise events on social media pages and help host workshops on introductory machine learning methods in python

NYU Class Activities Board · Member   Sept. 2017 to Present
• Assist club leaders in planning study breaks, game nights, and free food events for the Class of 2021