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
• Completed Courses: Data Structures and Algorithms, Object Oriented Programming, Computer Architecture, Design and Analysis of Algorithms, Operating Systems

Harvard Summer School, Cambridge MA   2015 to 2016
• Completed Courses: CSCI s65-g: Intro to Mobile App Development Using Swift and IOS, CSCI 100: Great Ideas In Computer Science With Java

SKILLS

PROGRAMMING LANGUAGES: Python, Java, C++, Groovy, C#/.NET, Swift, Javascript, HTML, CSS, Liquid
DATABASES: MySQL, NoSQL, MongoDB
TOOLS/FRAMEWORKS: GatsbyJS, Grails, xCode/iOS, Node Red, Git, Jekyll, Strapi, NodeJS, ExpressJS
OPERATING SYSTEMS: macOS, Linux, Windows

EXPERIENCE

Sirvisetti Systems
Software Intern   July 2019 to Aug. 2019 · Princeton, NJ
• Implemented an app in Groovy that sends an email to various customers, using an id number as an input, by searching a MySQL database and using SQL commands to check if that id exists for a given date
• Used GatsbyJS to add customer information to Strapi Content Management System (CMS) and display them when a user requests it

Sirvisetti Systems
Software Intern   June 2018 to Aug. 2018 · Princeton, NJ
• Designed and built an assistant adapter using Google Actions and IBMs Node-Red development environment
• Developed a default response system, using Node-Red flows, for an inquiry about a customers sales commission from a predefined database
• Wrote a program to convert an EDI string, which contains customer sales information, to JSON format in Node-Red, which the assistant adapter parses to calculate customer sales commissions

GoPeer and Wyzant Tutoring
Computer Science/Math Tutor   Mar. 2019 to Present
• Tutoring middle and high schoolers in introductory computer science using Java, Python, and Swift, both in-person and online. Also helping middle and high schoolers in subjects such as Geometry, Algebra 2 and Calculus.

PERSONAL PROJECTS

Personal Website (Jekyll/Liquid)   July 2019 to Present
• Using Jekyll and BootstrapCSS, implemented an email form using php, as well as html links to social media/additional contact mediums

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

To-Do List (iOS/Swift)   Jan. 2019 to Feb. 2019
• Created a to-do list application where the user can add, delete, and check off tasks. Included a feature where the user can set the priority of a certain task to 1, 2, or 3.

Tic Tac Toe (iOS/Swift)   June 2018 to Aug. 2018
• Implemented Tic-Tac-Toe on 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 Computer Science Club (BUGS) · Member   Sept. 2017 to Present
• Engage students in open source projects and invite guest speakers to discuss current events in computer science

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