Yash Shah

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EDUCATION

RUTGERS UNIVERSITY, SCHOOL OF ENGINEERING   Expected May 2020
B.S. in Electrical & Computer Engineering | Minor in Computer Science & Entrepreneurship

Relevant Coursework:
- Computer Architecture
- Data Structures
- Principles of EE I & II
- Linear Algebra
- Electronic Devices
- Digital Logic Design
- Signals & Systems
- Differential Equations

EXPERIENCE

ARRIA NLG   Parsipanny, NJ
Solutions Engineering Intern   June 2018 - Present
- Developing an extension which produces contextually useful synonyms for the natural language generation engine.
- Designing proof-of-concept narratives using Arria's Articulate Text Language (ATL) for training purposes.

SIEMENS CORPORATION, CORPORATE TECHNOLOGY   Princeton, NJ
Algorithms & Software Developer   August 2017 - May 2018
- Built a web application to enable graphical SCL source code manipulation using abstract syntax trees.
- Engineered backend systems to model energy infrastructures using Python and MATLAB.
- Designed and implemented a communication interface to connect components of a project developed using various technologies (Node.JS, Python, C, C++).
- Developed real time applications for the PLC 1500 platform using Siemen's S7 Protocol and TIA Portal.
- Implemented Docker services to automate build processes and to bundle components into a singular package.

WALKTHRU, INC.   Princeton, NJ
Software Engineering Intern   June 2017 - August 2017
- Developed and maintained integration of Salesforce, SAP, Oracle, and other industry leading SaaS applications.
- Implemented a classifier using historical client data to automatically refactor a WalkThru onto an updated website.

RUTGERS UNIVERSITY, ENTERPRISE APPLICATION SERVICES   Piscataway, NJ
Software Developer   June 2016 - May 2017
- Developed and maintained the instructional application Sakai within Rutgers.
- Contributed bug fixes and feature implementations to the open-source Sakai community.
- Created tools for administrative & technical use within the office using Java and the Spring Framework.

SKILLS

PROGRAMMING: JavaScript • TypeScript • C/C++ • SCL • Embedded • Java • Python • C# • Kotlin

FRAMEWORKS: Node.JS • Express • Meteor • Android SDK • Angular • .NET Framework • Spring

SOFTWARE: Bash • Docker • RabbitMQ • Firebase • Digital Ocean • Azure • Git • SVN • SQL • MongoDB • SIMATIC S7

PROJECTS

IN-CAR WIRELESS CHARGER | HackRU   September 2018 - Present
Designing a Qi-based wireless charger for phones which replaces the existing cup holder in most cars. 3D printed prototypes are built using Autodesk Inventor, and assembled with two inductive chargers powered using an Arduino Uno.

WEB PORTAL | delta sigma iota fraternity, inc.   June 2017 - July 2017
Prototyped a backend system for automating administrative tasks such as attendance, fines, etc. using Firebase & Angular.
Link: https://github.com/shahhyash/dsidelta-web

COAGMENTO MOBILE | infoseeking lab   Oct 2015 - March 2016
Worked with the team at InfoSeeking Labs to engineer an Android application for their research collaboration service using the Android SDK and their RESTful API.
Google Play Store Link: https://goo.gl/DK4WJo | GitHub: https://github.com/InfoSeeking/CoagmentoAndroid