

Yash Shah

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EDUCATION

RUTGERS UNIVERSITY

(New Brunswick)

B.S. IN ELECTRICAL &

COMPUTER ENGINEERING

Double Major in Computer Science

Minor in Entrepreneurship

Expected May 2020

COURSEWORK

Deep Learning for Coders

Principles of EE I & II

Computer Architecture

Digital Logic Design

Data Structures

Differential Equations

Linear Algebra

SKILLS

PROGRAMMING

JavaScript • TypeScript

C/C++ • SCL • Embedded

Java • Python • C#

Kotlin • Dart

FRAMEWORKS

Node • Express • Meteor

Android SDK • Angular

.NET Framework • Spring

SOFTWARE

Bash • Windows Powershell

Docker • RabbitMQ • Firebase

Digital Ocean • Azure

Git • SVN • SQL • MongoDB

SIMATIC S7 • PLC1500S ODK

PROJECTS

WEB PORTAL | DELTA SIGMA IOTA FRATERNITY, INC.

Ongoing

Leading development of a backend system for automating administrative tasks such as attendance, fines, etc. Built using the Express framework and RESTful principles to simplify client communications and enable integration across services (Slack, Venmo, etc.) using webhooks.

RUTGERS AUTOBUS

Ongoing

Leading the Android development for a student-built platform for personalized updates to the Rutgers bus system. This application seamlessly incorporates bus schedules, live traffic data, and course schedules within one service to provide students with automatic updates.

EXPERIENCE

SIEMENS CORPORATION, CORPORATE TECHNOLOGY

ALGORITHMS & SOFTWARE DEVELOPER

August 2017 - May 2018 | Princeton, NJ

- Built an Angular based GUI to visualize and manipulate SCL source files using abstract syntax trees generated by the ANTLR runtime.
- Designed and implemented a communication interface using RabbitMQ to connect components across frameworks.
- Enabled PLC to RabbitMQ communication using PLC1500S ODK Generator and SIMATIC STEP 7.
- Dockerized individual services and packaged them as one service bundle using Docker Compose.

WALKTHRU, INC.

SOFTWARE ENGINEERING INTERN

June 2017 - August 2017 | Princeton, NJ

- Developed and maintained integration of Salesforce, SAP, Oracle, and other industry leading SaaS applications into WalkThru.
- Implemented a classifier using historical client data to automatically refactor a WalkThru onto an updated website.

RUTGERS UNIVERSITY, ENTERPRISE APPLICATION SERVICES

SOFTWARE DEVELOPER

June 2016 - May 2017 | Piscataway, NJ

- Developed and maintained the instructional application Sakai within Rutgers and the Sakai Community. Contribute code, fix bugs and develop new features.
- Create and maintain tools for administrative technical use within the office for those in other departments.

LAUNCHR

TECH DIRECTOR

Nov 2015 - May 2017 | New Brunswick, NJ

- Set up organization website and managed external services such as MailChimp, inter-organization email addresses, Slack, etc.
- Developed a dashboard using Meteor to allow participants access to personalized resources and keep track of their progress throughout the program.

GOOGLE ASSISTANT FOR WINDOWS

Ongoing

Developing a client for the Google Assistant on the Universal Windows Platform using its gRPC based API. This application will provide an alternative to Microsoft's Cortana for the Windows platform.

COAGMENTO MOBILE | INFOSEEKING LAB

Oct 2015 - March 2016

Worked with the team at InfoSeeking Lab to create an Android client for Coagmento, their research collaboration service. Using the Android SDK, the client accessed their RESTful API and provided an easy-to-use interface for researchers to log their experiment data.

Google Play Store Link: <https://goo.gl/DK4WJo>