

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:

- Artificial Intelligence
- Systems Programming
- Data Structures
- Operating Systems
- Network Security
- Computer Architecture
- Digital System Design
- Digital Logic Design
- Signals & Systems
- Microelectronics
- Robotics & Computer Vision

EXPERIENCE

KHAN ACADEMY

MOUNTAIN VIEW, CA

Software Engineering Intern

June 2019 - August 2019

- Developed an end-to-end solution for onboarding users onto district offerings (khanacademy.org/district).
- Added critical validation to an Apache Beam pipeline for ingesting user data into Google Cloud Datastore with extensive latency and privacy considerations.
- Enhanced support tools for the Classrooms product by surfacing user statistics to aid in debugging.

ARRIA NLG

PARSIPANNY, NJ

Solutions Engineering Intern

June 2018 - May 2019

- 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 integrations for Salesforce, SAP, Oracle, and other industry leading SaaS applications.
- Trained a classifier to recognize changes in the DOM to enable automatic refactoring of a WalkThru for an updated site.

RUTGERS UNIVERSITY, ENTERPRISE APPLICATION SERVICES

PISCATAWAY, NJ

Software Developer

June 2016 - May 2017

- Maintained the instructional application, Sakai, for Rutgers and even contributed to its open-source repository.
- Created tools for administrative & technical use within the office using Java and the Spring Framework.

SKILLS

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

FRAMEWORKS: Node.JS • Express • Meteor • Android SDK • Angular • React • Apache Beam • .NET • Spring • Flask

SOFTWARE: Git • Bash • Docker • Google Cloud • Digital Ocean • Azure • AWS • Firebase • SQL • MongoDB

PROJECTS

COAGMENTO MOBILE

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>