

Ishan Arya

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Objective

To obtain a summer 2019 internship as a software engineer that will enhance my knowledge of backend services.

Education

Georgia Institute of Technology, Atlanta – 4.0 GPA

August 2018 - May 2022

Bachelor of Science in Computer Science

- Relevant Courses: Data Structures & Algorithms, Systems & Design, Computer Organization & Programming

Edison High School, Edison – 4.0 GPA

September 2014 - June 2018

Skills

- Familiar Programming Languages: Java, JavaScript, Python, HTML/CSS, Kotlin, Scala, and Bash
- Experience with Node, Express, jQuery, Git, Electron, Vim, Heroku, Selenium, Android, Chrome Extensions, MS Azure, SQLite, MongoDB, JavaFX, and Arduino

Work/Extracurricular Experience

TOLL Group

Human Resources Technology Intern

July 2018 - August 2018

- Helped the HR department with backlogged work by filing and auditing the data of over 500 employees
- Programmed numerous scripts with JavaScript and Python to facilitate and optimize repetitive tasks
- Troubleshooted technology issues for employees around the office

Robotics (FIRST Tech Challenge)

Captain/Lead Programmer

September 2014 – June 2018

- Competed in an international competition by building and programming a robot
- Programmed the robot for automated routines based on sensors and manual routines based on driver input
- Organized meetings, fundraising events, and community outreach activities

Mathnasium

Math Tutor

August 2017 – October 2017

- Taught arithmetic, geometry, trigonometry, and pre-calculus to students from kindergarten to 11th grade
- Improved communication skills to facilitate a better understanding of various subjects with students of all ages

Side Programming Projects

Fintest (Python, JavaScript, and MS Azure)

HackGT - won 2 sponsor prizes and top 8 overall

October 2018

- Created a Chrome extension to ease the complexity of financial articles for novice traders
- Used natural language processing to define financial jargon and create summaries for the articles
- Provided a brief analysis and a graph of price fluctuation from extracted stock tickers using data from BlackRock

Beacon (Android, Java, and Kotlin)

Home Depot Hackathon - won 1st place

September 2018

- Led a team of 5 in creating an indoor navigation app using Bluetooth beacons for department stores
- Aggregated and normalized data from beacons and helped users navigate pre-generated maps
- Became versed in Android mobile development and the application lifecycle

IsThatGuyInMyClass (HTML/CSS, NodeJS, Java, and Selenium)

Personal project to facilitate a repetitive task

August 2017 - June 2018

- Led a team of 3 in creating a website to show students who would be in their classes for the coming semester
- Learned about securing login with JSON tokens, storing data with MongoDB, and scraping info using Selenium
- Successfully received and supported over 400 users (more than 20% of the school population)

eLaser (HTML/CSS, NodeJS, and Chrome Extensions)

HackBCA - won 4 category prizes

April 2018

- Created a Chrome extension that uses a phone as a presentation tool (to operate as a laser/slide switcher)
- Used sockets to transfer a stream of data from the phone to the client, enabling the Q&A and laser pointer