Ishan Arya

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Personal Statement

I am a student eager to understand the process of designing and building resilient services.

Education

Edison High School, Edison – 4.0 GPA   September 2014 - June 2018
- Relevant Courses: AP Computer Science (5), AP Calculus I (5) & II (5), AP Statistics (5)

Georgia Institute of Technology, Atlanta – N/A GPA   August 2018 - May 2022
Bachelor of Science in CS, College of Computing
- Relevant Courses: Data Structures & Algorithms, Linear Algebra w/ Multivector Spaces

Skills

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

Work/Extracurricular Experience

TOLL Group | North America
Human Resources Technology Intern   July 2018 - August 2018
- Helped the HR department with backlogged work by filing and auditing employee data
- 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
- Fostered professional bonds with students and coworkers alike
- Improved communication skills to facilitate a better understanding of various subjects with students of all ages

Side Programming Projects

Kami Desktop Client (NodeJS and Electron)
- Created an open source desktop app to watch anime (Japanese cartoons) conveniently
- Learned to use branches in git to organize development and enable collaborators to contribute
- Supported a community of users, answered bug reports, and implemented feature requests

IsThatGuyInMyClass (HTML/CSS, NodeJS, Java, and Selenium)
- 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 my school)

eLaser (HTML/CSS, NodeJS, and Chrome)
- Created a Chrome extension that uses a phone as a presentation tool (to operate as a laser/slide switcher)
- Implemented a live Q&A feature to allow for interactive presentations
- Uses sockets to transfer a stream of data from the phone to the client, enabling the Q&A and laser pointer

Awards

- Won "best beginner prize" at HackRU for making a medical game (http://medguard.github.io)
- Won 4 category prizes at HackBCA for making "eLaser" (https://github.com/CindrInc/eLaser)
- Won "best game" prize at Codeday for making a 2D platformer