

# Pranay Shah

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## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science*

*Expected Graduation: May 2024*

- Coursework: Object-Oriented Programming, Introduction to Computer Science, Linear Algebra, Calculus I & II

## EXPERIENCE

### Card Curator

Philadelphia, PA

*Software Engineering Intern*

*Jun. 2021 – Present*

- Identified issues by performing situational tests on proprietary algorithm using Behave testing framework
- Prevented credential exposure on cloud by creating a YAML configuration file, storing important login information
- Spearheaded the automation of updating credit card data by converting web-scraped information into JSON format to be stored in MongoDB database, saving approximately 100+ hours of manual implementation annually
- Developed automatic pipeline to notify developers of new credit card data, improving suggestion accuracy by 5%
- Working directly with CTO and using Confluence & Bitbucket (Atlassian) for version control and documentation

### University of Texas at Austin

Austin, TX

*Machine Learning Research Assistant*

*Jun. 2020 – Dec. 2020*

- Optimized path-planning algorithm for high-dimensional robotic arms by leveraging convolutional neural networks
- Generated 10,000 workspaces and configuration spaces by engineering graphical simulator for multidimensional robotic arms using Matplotlib, NumPy, OMPL and Klampt APIs as well as implementing A\* search algorithm
- Designed and developed convolutional neural network using Keras and TensorFlow APIs in Python to increase the speed of multidimensional autonomous robotic arms by 100% compared to Dijkstra's path planning algorithm
- Collaborated with UT Postdoctoral Researcher Dr. Xuesu Xiao and 2 UT students using Git in VS Code

## PROJECTS

### Cyphrus | *HTML/CSS, JavaScript, Flask, Heroku, Git*

*Jul. 2021 – Aug. 2021*

- Developed full-stack web application using Flask serving a REST API with a HTML/CSS/JS front-end
- Allowed students to store reminders through registration and login system; hosted application using Heroku
- Implemented Google OAuth authorization flow for secure login access and user sign-in convenience

### New York Times Scraper | *Objective-C, Xcode*

*Jun. 2020 – Aug. 2020*

- Created New York Times RSS feed scraper application for iOS 13 devices using Objective-C, NSXML in Xcode
- Optimized application by utilizing NSCache to prevent scrolling lag and reduce image loading times by 50%
- Collaborated with a team of 3 developers to develop the application from scratch within 2-week time constraint

### Scholastician | *HTML/CSS, JavaScript, Apache, Git*

*May 2020 – Aug. 2020*

- Assisted 3,000 students during the pandemic by managing a team of 4 developers to develop a website in 2 weeks
- Developed front-end using HTML, CSS, JS, & Bootstrap; enhanced application for mobile and desktop users
- Awarded Congressional Commendation from TX-03 Rep. Van Taylor for community impact within DFW area

## LEADERSHIP

### Georgia Tech WebDev Club | *Operations Lead & Project Manager*

*Sep. 2021 – Present*

- Coordinating with a team of 6 officers to host weekly in-person lessons and office hours for College of Computing
- Overhauling core infrastructure for project communication, resources, meeting information, and member sign-in
- Teaching important web development concepts and technology stacks currently used in industry to 50+ developers
- Hosting tutorial & networking sessions with guest speakers from major tech companies like Google, Apple & Slack

### Big Data Big Impact | *Sponsorship Team Chair*

*Sep. 2021 - Present*

- Developing strategies to reach small businesses for potential partnerships and to renew current partner packages
- Coordinating with a team of directors to fund developer projects for 200+ member organization at Georgia Tech

## TECHNICAL SKILLS

**Languages & Frameworks:** Java, Python, JavaScript, HTML/CSS, Flask, Behave (Gherkin)

**Developer Tools & Libraries:** Git, Bitbucket, Confluence, Heroku, MATLAB