Pranay Shah

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science   *Expected Graduation: May 2025*
- 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 for developers by performing situational tests on 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 Web Dev 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
- 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 & Slack

YouthTech Inc. | *Lead Instructor*   *May 2021 – Jun. 2021*
- Educated 40 students about the fundamentals of mobile application development, video-game design, and video-editing in a large classroom setting while improvising curriculum to adjust to technical issues
- Coordinated with a team of 8 instructors & recreational staff to host in-person lessons across DFW area

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, JavaScript, HTML/CSS, Flask, Behave (Gherkin)
Developer Tools & Libraries: Git, Bitbucket, Confluence, Heroku, MATLAB