

James Narayanan

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EDUCATION

Georgia Institute of Technology – Atlanta, GA	Aug 2020 – May 2024
<i>MS in Computer Science, Specialization in Machine Learning</i>	Aug 2023 – May 2024
<i>BS in Computer Science, Certificate in Finance</i>	Aug 2020 – May 2023
<ul style="list-style-type: none">• Concentrations: Devices and Intelligence• Awards: Faculty Honors (all semesters)• Activities: Theta Chi Fraternity - Professional Development & Technology Chair, Standards Board Symphonic Band - Principal Baritone Saxophonist	GPA: 4.0
Oxford University – Oxford, England	May – Aug 2022
<i>Study Abroad</i>	GPA: 4.0

TECHNICAL SKILLS

Languages: Java, Python, C, C++, Javascript, Typescript
Web Development: HTML, CSS, ReactJS, React Native, Redux, Bootstrap, NodeJS, Firebase, Stripe, GraphQL
Relevant Coursework: Machine Learning, Computer Vision, Design & Analysis of Algorithms, Intro to AI, Intro to Robotics & Perception, Statistics & Applications, Data Structures & Algorithms, Computer Organization & Programming, Systems & Networks, Computer Networking, Prototyping Intelligent Devices, Financial Markets

EXPERIENCE

Vower – Atlanta, GA	Jan – Sep 2021
<i>Lead Software Engineer</i>	May – Sep 2021
<ul style="list-style-type: none">• Launched website to business clients and individual users, increasing business efficiency and automating generation of revenue (previously all sales & connections were made via email)• Screened resumes, conducted interviews with candidates, and made final hiring decisions• Continued in a consulting capacity post-departure, assisting in system maintenance, training of new developers, and testing of the new codebase	
<i>Software Engineer</i>	Jan – May 2021
<ul style="list-style-type: none">• Designed and implemented new company website using ReactJS, including adding adaptivity for mobile devices and creating internal tools for management of site data, saving system administrative time while improving security• Augmented API to support gated-release access codes, order processing, and shopping with in-site currency	
LG Electronics – Englewood Cliffs, NJ	Jul – Aug 2019
<i>Front End Development Intern</i>	
<ul style="list-style-type: none">• Designed and built a tool to display and sort the extended warranty options of LG Electronics products. Used Javascript, HTML, and CSS.• Conducted code and content validation in support of the LG Electronics eCommerce program launch	

PROJECTS

E-Paper Picture Frame <i>Arduino, Python, React</i> — CS 3651	Nov – Dec 2022
<ul style="list-style-type: none">• Wrote software capable of ultra-low power consumption (<0.1 mA avg) to read images from a server via WiFi and update the ESP32-powered display. Integrated components into a custom laser-cut chassis with 3D-printed mounts• Created application to upload images to a server that would automatically resize, convert to grayscale, and dither them before converting the images to an 8-pixel per byte binary format used by the display	
AMZN Price Prediction Model <i>Python, Tensorflow, Pandas, Numpy</i> — MGT 4067	Nov 2021
<ul style="list-style-type: none">• Developed a model to give daily buy/sell indicators for AMZN using a bidirectional recurrent neural network trained on historic data from yahoo finance• Day trades dictated by the model would have produced \$9247 in profit as opposed to \$3447 from holding AMZN over the same time period	
COVID-19 Political Analysis <i>Python, Excel</i> — ISYE 3770	Apr – May 2022
<ul style="list-style-type: none">• Analyzed the relationship between the political leanings of two counties in Georgia and their per capita deaths from COVID-19 using data from the CDC• Found no significant correlation between the political leanings and per capita deaths of the two counties despite the difference in vaccinations per capita between the two politically opposed counties	