

ANUNOY SIDDARTH DUSSA

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Education

Georgia Institute of Technology

Atlanta, GA

Master of Science, Computer Science

January 2021 – May 2022 (Expected)

- Cumulative GPA: 4.0 / 4.0; Major GPA: 4.0 / 4.0
- Concentrations: Machine Learning and Human-Computer Interaction

Bachelor of Science, Computer Science

August 2016 – December 2020

- Cumulative GPA: 3.76 / 4.0; Major GPA: 3.56 / 4.0
- Concentrations: Intelligence and People

Experience

Walmart Global Tech

Remote

eCommerce Software Engineer Intern | Wellness Android

June 2021 – August 2021

- Updated the More module with the Model View Presenter Design pattern and converted Java code to Kotlin
- Created a custom progress spinner component and programmatically updated its style based on the layout
- Supported the TalkBack feature by programmatically updating the content description for unlabeled views
- Added an "Allergic" field to the medications section and sent the data to the Walmart Pharmacy database

Amazon

Remote

Software Development Engineer Intern | Hardlines Customer Experience

May 2020 – August 2020

- Implemented a feature that filters sports teams merchandise on Amazon's *Your Fanshop* webpage
- Utilized AJAX calls to retrieve Amazon products from their database and display them on the page
- Programmed the feature using JSP, Java, and JavaScript along with Amazon-specific UI components

Georgia Tech Research Institute

Atlanta, GA

Research Intern | Robotic Dexterous Manipulation

May 2019 – July 2019

- Developed a hybrid force position controller that follows a trajectory while maintaining a constant force
- Reimplemented high dimensional path planning research in the controller with C++ supported by ROS
- Optimized the frequency of the controller by 212.5% from 40 Hz to 125 Hz without any loss in accuracy

Augusta University (github.com/adussa3/Brainy-Spelling-1)

Atlanta, GA

Android Developer | Brainy Spelling 1

August 2018 – May 2019

- Worked on a team of 6 and developed an app that teaches preliterate children how to spell English words
- Constructed a low fidelity paper prototype for 17 activity screens and programmed 20+ layouts of the app
- Applied the Agile methodology and implemented vertical integration between the frontend and backend

Projects

House Price Prediction (arnabdey.github.io/MLProjectWebsite/)

October 2019 – November 2019

- Worked on a team of 5 and tested 5 machine learning models to predict house prices in Victoria, Australia
- Implemented a decision tree model to predict house prices with over a 60% accuracy in under 30 seconds
- Visualized real estate data by plotting the location of 99,000+ houses and color-coded them by their price

Leadership

Georgia Institute of Technology Mastering Android Development (GITMAD)

Atlanta, GA

Senior Officer | Georgia Institute of Technology

November 2018 – December 2020

- Taught the fundamental basics and core concepts of Android development to 15+ students
- Updated the GITMAD website periodically by redesigning the layout and revising lesson plans

Skills

Languages Java, Kotlin, Python, JavaScript, C++, C, Assembly, HTML5, CSS3, JSP, XML, LaTeX, SQL, SQLite

Frameworks Bootstrap, D3, JavaFX, Java Swing, Mapbox, ROS

Software Android Studio, JetBrains IDEs, MATLAB, Adobe Photoshop, Inkscape, Tableau, Gazebo

Coursework Object-Oriented Programming, Data Structures and Algorithms, Object and Design, Agile and Scrum, Artificial Intelligence, Design and Analysis – Algorithms, Computer Organization and Programming, Machine Learning, Computer Vision, Natural Language Processing, User Interface Design, User Interface Software, Mobile and Ubiquitous Computing