ANUNOY SIDDARTH DUSSA

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Education

Georgia Institute of Technology — Atlanta, GA

Master of Science, Computer Science — *January 2021 – May 2022 (Expected)*
- 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
  - Faculty Honors (Fall 2016, Spring 2018, Spring 2020)
  - Dean's List (Spring 2017, Fall 2017, Fall 2018, Spring 2019, Fall 2019)
- Concentrations: Intelligence and People

Experience

Amazon — Remote

Software Development Engineer Intern | Hardlines Customer Experience — *May 2020 – August 2020*
- Implemented a feature on Amazon's *Your Fanshop* webpage (cannot disclose at the moment)
- 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 Institute of Technology — Atlanta, GA

Teaching Assistant | Data Structures and Algorithms — *January 2019 – April 2020*
- Held weekly office hours and graded Java homework assignments and exams for 700+ students
- Taught recitation to a class size of 40+ students explaining core concepts of data structures and algorithms
- Engaged in weekly review process over recitation, homework, and exam material to ensure correctness

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, Python, JavaScript, C, C++, Assembly, HTML5, CSS3, JSP, XML, SQL, SQLite
Frameworks	Bootstrap, Mapbox, JavaFX, ROS
Software	Adobe Photoshop, Inkscape, MATLAB, JetBrains IDEs, Android Studio, Gazebo
Coursework	Linear Algebra, Discrete Math, Multivariable Calculus, Object-Oriented Programming, Data Structures and Algorithms, Object and Design, Agile and Scrum, Probability and Statistics, Artificial Intelligence, Design and Analysis – Algorithms, Computer Organization and Programming, Machine Learning, Computer Vision, Natural Language Processing, User Interface Design