ANUNOY SIDDARTH DUSSA

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Education

Georgia Institute of Technology — **Atlanta, GA**
Bachelor of Science, Computer Science — *August 2016 – December 2020 (Expected)*

- **Cumulative GPA: 3.87 / 4.0; Major GPA: 3.75 / 4.0**
- Concentrations: Intelligence and People
- Awards: Dean's List (Spring 2017, Fall 2017, Fall 2018, Spring 2019); Faculty Honors (Fall 2016, Spring 2018)

Experience

Georgia Institute of Technology — **Atlanta, GA**
Teaching Assistant | Data Structures and Algorithms — *January 2019 – Present*

- Held weekly office hours and graded Java homework assignments and exams for 600+ students
- Taught recitation to a class size of 30+ 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 – 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

Android Application – QuakeReport *(github.com/adussa3/QuakeReport)* — *August 2019 – Present*

- Developed an app that displays a list of recent earthquakes as part of the *Beginning Android* Udacity course
- Retrieved earthquake JSON data from the USGS website to display their magnitude, location, date and time
- Implemented an asynchronous thread that runs a HTTP request in the background to obtain data from USGS

Android Application – Miwok *(github.com/adussa3/Miwok)* — *June – July 2019*

- Developed an app that teaches users the Miwok language as part of the *Beginning Android* Udacity course
- Utilized a list view to display each Miwok word and the MediaPlayer to play the pronunciation of the word
- Generated 38 Miwok words and organized them into the Numbers, Family, Colors, or Phrases category

Android Application – ShelterMap *(github.com/adussa3/ShelterMap)* — *January – May 2018*

- Worked on a team of 5 and developed an Android app to help the homeless find shelters with vacant rooms
- Coded the login activity screen and implemented the 'forgot password' and 'locked-out' features
- Designed the Domain Model, Robustness Diagram, UML Class Diagram, and UML Sequence Diagram

Leadership

Georgia Institute of Technology Mastering Android Development (GITMAD) — **Atlanta, GA**
Branding Lead | Georgia Institute of Technology — *November 2018 – Present*

- 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

Programming	Java, JavaScript, Python, C, C++, Assembly, HTML5, CSS3
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, User Interface Design