Clifford Panos

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY | Bachelor of Science in Computer Science   **Graduating May 2020**
- 4.0 Cumulative GPA — Concentration: Intelligence & Human-Computer Interaction   (74 Credits)
- 2017 College of Computing Most Outstanding Freshman
- Dean's List, Faculty Honors, & Georgia Tech Honors Program

UNIVERSITAT POLITÈCNICA DE CATALUNYA | Computer Science Study Abroad: Barcelona, Spain   **Summer 2017**
- Enrolled in Georgia Tech courses at UPC and gained significant cultural experiences abroad

WORK EXPERIENCE

APPLE INC: Software Engineering Intern   **January – August 2018**
- iOS System Experience team. Developing foundational components for iOS, watchOS, & tvOS.

NEURAL DATA SYSTEMS: Research for Quantifying Neural Anatomy   **Fall 2017**
- Develop algorithms to analyze neural imaging data, manage AWS server instances, and create data visualizations

CS 1332 TEACHING ASSISTANT: Data Structures & Algorithms (Java)   **Fall 2017**
- Hold a weekly recitation section and office hours, write JUnit tests and homeworks, and grade exams
- Manage 60 students and demonstrate proficiency in course material. Selected from over 100 applicants

RECONSO SATELLITE MISSION: Research for AFRL (Avionics Team)   **Spring 2017**
- Collaborated with a team of 8 to engineer the Core Flight Executive (CFE) system using C
- Reduced runtime complexity of the software message bus system for the primary state machine app

PROJECT EXPERIENCE

"True Pass" iOS & watchOS Applications (Swift)   **Spring 2017 – Present**
- Provided utility for Anthem Inc. that allowed the company to more efficiently check-in employees to their Atlanta office
- Created apps that ease the location management process using *Firebase*, geofences, and QR codes

"PinPoint" Desktop Application (JavaFX & SQL)   **Summer 2017**
- Collaborated with a team to develop an application that allows tourists to browse cities, attractions, and reviews
- Implemented a SQL database and designed the queries to manage the data

Airbnb Data Visualization (HTML & JavaScript & d3.js)   **Summer 2017**
- Produced three visualizations of Airbnb listing data in Barcelona to optimize travel plans
- Designed the visualizations, their SVG layouts, and their interactive manipulations | airbnb.cliffpanos.com

Polynomial Equation Solver (C++)   **Fall 2016**
- Devised a program that solves polynomial equations using synthetic division for their real & imaginary roots

Spanish Verb-Conjugator (Python)   **Spring 2016**
- Developed a tool to conjugate Spanish verbs in all subjects and ten tenses, including irregular verbs
- Distributed the program to classmates, allowing them to teach themselves and self-check assignments

HONORS & ACTIVITIES

Leadership: iOS Development Club Executive Tech Lead, Student Alumni Association, Georgia Tech One-To-One Leadership Program, Delta Chi Fraternity – 2017 Brotherhood Chair & 2016 Pledge Class President
Volunteer: TheGirlCodeProject (sponsored by Google igniteCS), Sophomore Executive Member of the GT Servant Leadership Organization, "Epic Intentions" CS Service Organization
Awards: BSA Eagle Scout (2013), ODK Outstanding Freshmen Leadership Award, Hack GSU Category Winner, High School Valedictorian, CenturyLink STEM Scholarship

SKILLS & COURSEWORK

Languages: Advanced: Java, Swift, Python | Intermediate: SQL, d3 | Basic: C, C++, HTML   **Spanish: Advanced**
Tools: Xcode, IntelliJ, Git, JavaFX GUIs, macOS, Windows, Atom
Concepts: iOS Human Interface & Development guidelines, Apple frameworks, databases, interface design, encryption
Coursework: Data Structures & Algorithms, Object-Oriented Programming, Databases, Objects & Design, Startup Lab, AI
Interests: Mobile development, artificial intelligence, internet of things, databases, organization & product management