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: Systems Architecture & Human-Computer Interaction　　　(106 Credits)
- Dean's List, Faculty Honors, & Georgia Tech Honors Program
- 2017 College of Computing Most Outstanding Freshman

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, iOS System Experience　　　**January – August 2018**
- Developed foundational components for iOS, watchOS, & tvOS while working cross-functionally on system architecture
- Focused on internal framework, testing, and tool development as well as performance improvements & UI polish for iOS 12
- Prototyped & presented explorative work for the iOS home screen. Applied object-oriented design patterns in Objective-C

NEURAL DATA SYSTEMS: Research for Quantifying Neural Anatomy　　　**Fall 2017**
- Developed algorithms to analyze neural imaging data. Managed AWS server instances

CS 1332 TEACHING ASSISTANT: Data Structures & Algorithms (Java)　　　**Fall 2017**
- Held a weekly recitation section and office hours, wrote JUnit tests and homeworks, and graded exams
- Managed 60 students and demonstrated 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

"Unfoldit" iOS Application [on the App Store] (Swift)　　　**Fall 2018 – Spring 2019**
- Lead a team of three to conceive, design, and develop Unfoldit for iOS: the game of paper-folding & hole-punching
- Implemented the app using UIKit, Core Animation techniques, and multiple custom frameworks | unfolditapp.com

"True Pass" iOS & watchOS Applications (Swift)　　　**Spring – Fall 2017**
- Provided utility for Anthem Inc. that allows the company to more efficiently check-in employees to its 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

HONORS & ACTIVITIES

Leadership: Georgia Tech Student Ambassadors, iOS Development Club Executive Tech Lead, Georgia Tech One-To-One Leadership Program, Delta Chi Fraternity – 2017 Brotherhood Chair & 2016 Pledge Class President
Volunteer: Omicron Delta Kappa (ODK) Leadership Organization, TheGirlCodeProject (sponsored by Google igniteCS), Executive Advisor of the GT Servant Leadership Organization, "Epic Intentions" CS Service Organization
Awards: BSA Eagle Scout (2013), Georgia Tech InVenture Prize Finalist (2019), ODK Outstanding Freshmen Leadership Award (2017), TreeHacks Category Winner (2019), High School Valedictorian, CenturyLink STEM Scholarship

SKILLS & COURSEWORK

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