

# Clifford Panos

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## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY | Bachelor of Science in Computer Science Graduated May 2020

- 3.98 Cumulative GPA — Concentration: Systems Architecture & Human-Computer Interaction (146 Credits)
- Graduated with Highest Honors; Georgia Tech Honors Program Member
- 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 May – August 2019

- Delivered primary feature work for the interactions, architecture, and mechanisms of the iOS 13 Volume Indicator (HUD)
- Developed core system components and policies, feature prototypes, interface improvements, and framework APIs & SPIs

### 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

### CS 1332 TEACHING ASSISTANT: Data Structures & Algorithms (Java) Fall 2017 & Spring 2020

- 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 2020

- 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, advanced Core Animation techniques, & three custom frameworks | [unfolditapp.com](http://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](http://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 VP, TheGirlCodeProject (sponsored by Google igniteCS), Executive Advisor for the GT Servant Leadership Organization, “Epic Intentions” CS Service Organization

**Awards:** BSA Eagle Scout (2013), Georgia Tech InVenture Prize Finalist (2019), TreeHacks Category Winner (2019/20), HBS SVMP Participant (2019), ODK Outstanding Freshmen Leadership Award, High School Valedictorian

## SKILLS & COURSEWORK

**Languages:** Advanced: Objective-C, Swift, Java | Intermediate: C, SQL, Python | Basic: C++, HTML **Spanish:** Advanced

**Tools:** Xcode, Git, IntelliJ, JavaFX GUI development tools, d3 (JavaScript library), macOS

**Concepts:** iOS Human Interface & Development guidelines, Apple frameworks, databases, design of systems architecture

**Coursework:** Data Structures & Algorithms, Object-Oriented Design, Databases, Systems & Networks, Operating Systems

**Interests:** Application development, operating systems, health technology, internet of things, product management