# COREY CASMEDES

coreyrobertcasmedes@gmail.com

## EDUCATION

| | | |
|---|---|---|
| **The University of Texas at Dallas** | Bachelor of Computer Science<br>Overall GPA: 3.85<br>Major GPA: *magna cum laude* (3.93) | *May 2019* |

## TECHNICAL PROFICIENCY

- **Languages/Frameworks:** Python, JavaScript, Java, Springboot, SQL, Groovy, NoSQL, Jira, Bash, Git, Swift, React, Nextjs, Nodejs, Express.js, Flask, Pandas, Pyspark, Mockito, JUnit, Cucumber, Behave, Pytest, unittest, TDD, BDD, Maven, Gradle
- **Platforms:** Apache Airflow, Kubernetes, Jenkins, Docker, Apache Spark, AWS, Nomad, Tableau, Splunk, Prometheus, Consul
- **Certifications:** AWS Solutions Architect Associate, Certified Secure Software Engineer (CSSE), International Tutoring Training Program Level 1 Tutor Certification (2017)
- **Awards/Achievements:** UTD Dean's List (top 10%), Capital One's *Out of this World* and *Phoenix* awards (Fall 2019), UT Design 1st place Capstone Drivelytics 2.0 (Spring 2019), Capital One's *Mark of Distinction* (2020 Q1), Capital One's Circle of Excellence (Highest Honor, Awarded by CEO, 2021 Q1), Top 10 Google Code Jam UT Dallas (Spring 2018)

## EXPERIENCE

**Apple** – *Software Performance Engineer;* Austin, TX   *May 2021 - Present*
- Architected and implemented automated performance and server testing tool for Apple Wallet & Pay applications
- Delivered integration testing as a service to rapidly expand business and onboard hundreds of partners
- Improved the user experience, efficiency, and user rate by rebuilding a legacy UI using react, nodejs, express.js and kube
- Mentored junior engineers and interns to enable their successful through pair programming and code reviews

**Capital One** – *Software Engineer;* Plano, TX   *August 2019 - May 2021*
- Develop innovative and insightful loss forecasting solutions for internal Credit Risk Management problems and audits
- Transformed our product portfolio using an agile framework and technologies including Python, R, AWS, and Spark
- Extensive experience with a variety of AWS services to architect and deploy infrastructure in a cloud environment
- Volunteer and facilitate community outreach events such as *CODERS* and UT Dallas partnership *InnovateHer*

**University of Texas at Dallas Student Success Center** – *Math Peer Tutor;* Richardson, TX   *August 2017 - May 2019*
- Tutor students in the following courses: calculus, linear algebra, physics, Mathematica, and probability & statistics
- Lead weekly workshops and pre-exam reviews to provide additional practice in addition to normal scheduled coursework
- Curated supplemental materials to reinforce and challenge students across a wider variety of problems

## PROJECTS

**coreycasmedes-ui** (now coreycasmedes.github.io/coreycasmedes-ui)   *Fall 2022*
- React web app built using headless-ui, tailwind-css, rive and deployed using GitHub Pages and AWS S3
- Used a mobile-first design approach to provide a seamless experience to users between mobile and web interfaces

**Drivelytics 2.0** - *State Farm sponsored University of Texas at Dallas Capstone* (Patent Pending)   *Spring 2019*
- Partnered with the State Farm R&D operations team to developing a data-streaming and ETL mobile application
- Leveraged a geographical positioning API and an iOS hardware SDK to record driving data and for post process scoring
- Developed a backend scoring engine in Python for post process analysis on various driving quality metrics

## CLUBS AND ACTIVITIES

**AISD Victory Tutoring Volunteer** - *Tutor*   *Fall 2022 - Present*
- Tutor local Austin middle and high school students in a variety of mathematics courses on a weekly basis
- Assist them in developing schedules, study routines, and test taking skills to enable them for future academic success

**Capital One Coders** - *Mentor*   *Spring 2020 - May 2021*
- Mentor local middle school students throughout 10 weeks of coding classes and workshops
- Facilitate learning of programming fundamentals, raspberry pi circuitry and wiring, and code development using Python
- Teach cloud fundamentals and guide students through demos on the cloud provider AWS using *awseducate*