

CESARE DE CAL

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EDUCATION

KTH Royal Institute of Technology, Stockholm, Sweden August 2020 - May 2022
MSc in Computer Science (Robotics and Artificial Intelligence track)

University of Milano-Bicocca, Milan, Italy September 2017 - July 2020
BSc in Computer Science (Algorithms & Data Structures, Linear Algebra, C++) GPA: 3.8

EMPLOYMENT

Software Engineering Fellow, Major League Hacking June 2020 - August 2020

- Contributed to Python Open Source libraries FastAPI and Click in an international team.
- Planned and implemented plugin system for 'howdoi' to search any website from the command line.
- Selected as 1 of 143 out of 20,000+ applicants. Internal hackathon finalist (out of 32 projects).

Software Engineering Intern, Twitter June 2019 - August 2019

- Built and shipped consumer-facing feature for Twitter & Periscope iOS apps with Objective-C.
- Designed and ran usage experiments to make informed product decisions with events data.
- Helped organizing internal 4-week course on building iOS apps in Swift attended by 8 engineers.

Freelance Software Engineer, Multiple Startups February 2016 - February 2018

- Developed full-stack projects for small to mid-sized clients (chat apps, file managers, financial tools).
- Self-taught REST API, Node.js, iOS development, and JavaScript to create full-stack experiences.
- Shipped features on time by scoping work with stakeholders and prioritizing tasks.

PROJECTS

iOS Machine Learning Language Translator (github.com/csr/TravelAR)

- Built machine learning iOS app that translates real-world objects to any language using the camera.
- Implemented object-detection with CoreML, and real-time translation with the Google Cloud API.
- Awarded "Best Google Cloud Platform Project" by Google at Stanford University.

Web Text and Website Summarizer (github.com/csr/TextSummarizer)

- Wrote frontend and web scraping algorithms to let users summarize any website from any URL.
- Built with Flask, BeautifulSoup, and NLP algorithms. Deployed live to Heroku, won MLH award.

Full Stack Drinking Fountains Finder (apps.apple.com/us/app/id1493955783)

- Built and published Web and iOS apps that show drinking fountains nearby with Node.js and Swift.
- Implemented fast fountain look-up with GeoJSON and Google Firebase, and shipped to App Store.

AWARDS

Apple WWDC Scholarships June 2015, 2016, 2018

- Selected as 1 of 350 out of thousands of applicants to attend Apple sessions and labs in California.

SKILLS

iOS (Swift, Objective-C), Web (JavaScript, HTML, CSS), Computer Vision (C++, Python, OpenCV)