

# ANDREI CIOARA

## Work experience

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### July 2019 – Present – **Apple** (Cupertino, CA) – Senior Staff Software Engineer

- Lead developer for Apple Intelligence user facing features and for Machine Learning infrastructure projects
- Launched Visual Look Up at WWDC'21, presented by Craig Federighi, with five visual domains
- Launched Web Image Search: "Hey Siri, show me images of corgi from the web"
- Received 2 promotions in the first 5 years for proactive x-functional collaboration and velocity of execution

### April 2019 – July 2019 – **Toptal** (Remote) – Contractor

- Designed and delivered greenfield end-to-end full-package software solutions for 2 separate clients

### May 2018 – April 2019 – **Officeroo** (Remote) – Co-founder and CTO

- Responsible for the overall architecture, React Frontend, Django Backend, DevOps & AWS management
- Worked on sales and marketing, launched the product with 4 beta clients, managed a team of 3
- Graduated from YCombinator's Startup School and got invited to the YCombinator interviews, class of W19

### May 2018 – December 2018 – **Citadel Securities** (London) – Software Engineer

- Wrote the C++ implementation of a new pricing model, as part of the Options Market Making Desk

### Sept 2016 – May 2018 – **Jump Trading** (Chicago; London) – Software Engineer

- Ported legacy C++ software to web technologies using React, D3.js, Django, and Tornado
- Wrote a highly robust, multithreaded PyQt application that runs daily on 400+ trader desktop machines

### Oct 2014 – March 2016 – **Imperial College London** – Undergraduate Teaching Assistant

- Mentored and tutored first-year undergraduate students in programming with Java, SQL, and Haskell

### April 2015 – Sept 2015 – **Palantir** (Palo Alto, CA) – Software Development Intern

- Front End developer and main contributor for the largest open-source project at Palantir: PlottableJS
- Focused on JavaScript performance improvements, tooling, new features, and the v1.0 release

### June 2014 – Sept 2014 – **Microsoft** (Redmond, WA) – Software Development Intern

- Developed an iPhone app, a C# REST API, and an Outlook integration for the upcoming release of iOS 8

### Sept 2013 – June 2014 – **CoLake Care; PeopleGraph** (Remote) – Contractor

- Developed a healthcare web app using PHP and Laravel, deployed it on AWS, and performed user testing
- Created a Google Chrome extension that improves the social network experience for recruiters

### July 2013 – Sept 2013 – **Geonomics** (London) – Software Development Intern

- Received a return offer and a monetary bonus for my performance as a Full Stack Java Web Developer

## Education

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### 2012 – 2016 – **Imperial College London**, Master of Software Engineering

- Graduated with First Class Honors Degree and was part of the Engineering Dean's List (top 10%)
- Thesis: Simultaneous Localization and Mapping using Dynamic Vision Sensors

### 2008 – 2012 – **Horea, Closca si Crisan National College**, Romania

- Romanian National Olympiad in Informatics – **Gold medal** 2012, **Bronze medals** 2011, 2010
- Founder and coach of the local Informatics Olympic Team: managed and trained our top 20 students

## Skills

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**Programming Languages:** Python, JavaScript, Golang, C, C++, Java, Bash (+ a bit of Rust, Swift, and Objective-C)

**Infrastructure:** Kubernetes, Docker, AWS, Grafana, Prometheus, Splunk

**Technologies:** ReactJS, jQuery, SQL, HTML, CSS, NodeJS, Django, Flask, NumPy, Pandas

**Platforms:** Web, iOS, Android, macOS, React Native, Netlify

**Hobbies:** Security Bug Bounties, Public Speaking, Personal Creative Projects