

CRAIG FERGUSON

Software Engineer

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GITHUB: [craigfe](https://github.com/craigfe)

Interested in programming language theory and distributed systems.

INDUSTRY POSITIONS

JUL 2019 + Tarides, *Software Engineer*

I currently work as a software developer for [Tarides](#), a start-up that maintains various open-source OCaml projects including [MirageOS](#) and [Irmin](#). My latest work is all open-source, and can be found via my [GitHub profile](#).

JUL 2018 – SEP 2018 Sumdog, *DevOps Intern*

I expanded the company AWS infrastructure using industry-standard tools such as Terraform, Ansible and Packer. As part of a small company I took on other roles when necessary: web development, games development, data science etc.

JUL 2017 – SEP 2017 Invest Solutions, *Full-stack Development Intern*

I developed core features for a full-stack web application using Angular 4 and JAX-RS.

EDUCATION

OCT 2016 – JUN 2019 BA Computer Science, *Churchill College, University of Cambridge*

- 3rd year: First Class (4th/97) – *awarded the Project Prize for the best 2019 dissertation.*
- 2nd year: First Class (5th/100)
- 1st year: First Class (unranked)

SEP 2011 – JUL 2016 A Levels / GCSEs, *Gordonstoun School, Elgin*

- A Levels: 4 A*s (Mathematics, Further Mathematics, Physics, Computer Science)
- GCSEs: 10 A*s (including English and Mathematics)

AWARDS

JUL 2019 G-Research Prize for the Best Individual Project, *University of Cambridge*

My **undergraduate dissertation** scored the highest mark of the 97 undergraduate projects produced in 2019. The dissertation documents the creation of **CausalRPC**, a Git-based RPC framework written in OCaml. The project developed a novel data-oriented semantics for RPC in which distributed race conditions are resolved automatically by the middleware.

JUL 2018 Jon Rabone Prize in Computer Science, *Churchill College*

Awarded for “the most meritorious performance for an undergraduate at Churchill College”.

FEB 2018 Audience Favourite Technical Presentation, *Churchill College*

Awarded to the most popular of a series of 32 technical talks by Cambridge computer scientists.

2017 – 2019 Academic Scholar, *Churchill College*

2011 – 2016 All-Round Scholarship, *Gordonstoun School*