

Samuel McHugh

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EXPERIENCE

Airborne

Senior Software Engineer

Spring 2025 - Present

The Hague, The Netherlands

- Crafted software and machine systems used in automating composite manufacture used in critical components for the aerospace, aviation, and defense industries.
- Organized delivery and communication of a long lived critical client project for the top airplane producer in the world making European high-tech manufacturing more efficient and competitive in the world
- Mentored colleagues in building productionized web-app & integrated software.

Pitch

Engineering Manager / Tech Lead / Senior Software Engineer

Spring 2022 - Spring 2024

Remote / Berlin, Germany

- Lead a team of 7 to build our generative AI feature as Engineering Manager. Allows users to generate Pitch presentations through a simple prompt using a 3rd party LLM provider.
- Built the Powerpoint import and export features allowing users to port their existing presentations into Pitch and transfer their presentations to a defacto standard format when required by their audience.
- Built full-text Search feature for slide-level search across a user's whole workspace. Built with Amazon's OpenSearch product, based on Elasticsearch's technology.

Funding Circle

Software Engineer

Summer 2021 - Spring 2022

London, the United Kingdom

- Inherited key paths of the Event-Driven customer journey in need of serious improvements; Parallelized CI/CD automated testing, wrote new unit and integration tests for rules engine, made the project more REPL friendly

Otravo B.V.

Software Engineer / Scrum Master

Fall 2018 - Summer 2021

Amsterdam, the Netherlands

- Deliver high-value, technical improvements to the website [de Vakantie Discounter](https://de.vakantie-discounter.nl) including: decoupling front-end business logic and view logic though organized state management, designing unit tests and end2end tests using Cypress, and internationalizing the site for our launch into the German market at [Solvaya.de](https://solvaya.de)
- Collaborate with teammates in an Agile Scrum environment leveraging standups, story refinements, sprint planning meetings, the Kanban methodology, JIRA and Gitlab project management tools, a GCP based CI/CD

Peace Corps

Math Education Volunteer

Summer 2017 - Summer 2018

Malangali Secondary School, Tanzania

- Instructed the Tanzanian mathematics curriculum in my village to 100+ students in the local language, Swahili, while identifying areas in which technology could be used to further the Peace Corps mission in Tanzania

AuSIM Inc.

Software Engineer Intern

Summer 2016

Mountain View, California

- Wrote robust microcontroller code for a sensor hub and access panel in an ongoing safety-critical project commissioned by Meta used daily to conduct scientific experiments with 200+ participants a month

EDUCATION

Carleton College

2013 - 2017

Bachelor of Arts in Mathematics

Northfield, Minnesota

Programming Languages Project

Spring 2017

- Created a C-based command-line interpreter for the functional programming LISP language Racket/Scheme
- Implemented linked lists, dynamic memory allocation, garbage collection, a parser, a tokenizer, and interpreter

SKILLS

- **Programming Languages:** Clojure, Clojurescript, Javascript, Java, Python, C
- **Testing Frameworks:** Cypress, Mocha, Jest, Google Optimize, VWO, Kaocha
- **DevOps:** Kubernetes (Google Cloud Platform), Docker, Jenkins, GitLab, GitHub, CircleCI, AWS, Lambdas
- **Misc:** Certified Scrum Master, Kanban, Agile, Linux, Sentry, Google Analytics, Amplitude, Datadog, Grafana