# MATEO MINATO

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https://github.com/mateominato  |  https://mateominato.github.io/portfolio/

## PROFESSIONAL SUMMARY

Recently graduated software engineer with a physics background. Excellent communicator with experience working as a part of a dynamic team. Comfortable wearing many hats. Passionate about environmental sustainability and social equity. I believe thoughtful use of technology can help solve the worlds most pressing issues.

## SKILLS

- Software Engineering
- Agile Development (Scrum)
- SQL
- Cloud Engineering
- Version Control (Git)
- Containerization (Docker)

## WORK EXPERIENCE

**Engineering Intern, Bot Management**  |  Cloudflare - Austin, TX          06/2019 - 09/2019

- Built parsing expression grammar in **RustLang** to parse user agent strings at global scale. Improved UA parse speed over 200x from initial implementation. Implemented corresponding CLI and FFI package for use from **C** and Lua for edge deployment.
- Built multithreaded IP rDNS validators to dynamically whitelist "good bots" on global edge network servicing tens of millions of internet properties, including corresponding **Kubernetes** configuration and deployment.
- Contributed to development of bot management directories with **RESTful design** in **GoLang**. Continued implementation through design and production of JavaScript frontend using **ReactJS** library.

**Data Engineering Design Intern**  |  Plenty - San Francisco, CA          06/2018 - 09/2018

- Gained experience with **microservice architecture** and RESTful API design, data pipelining and ingest, **Amazon Web Services** (Lambda, Elastic Beanstalk, ECS, DynamoDB), and containerization (**Docker**).
- Built integration testing framework using Docker to dynamically simulate development pipeline in automated deployment software (**Circle V2**), encouraging on-the-go error prevention.
- Wrote and implemented automated **Python** servicing scripts deployed on AWS to monitor and update EBS instances, send out Ops Genie alerts, catch memory leaks, and maintain performance data.

## PROJECTS

- **Team Planner App**: Designed and built API backend and **PostgreSQL** database on **GCP** as the system architect of a self directed **agile** team.
- **DuckChat**: Implemented a many-to-many multi-channel client-server chat program, using custom network chat protocol, UDP socket communication, and flood-and-prune server management.
- **Blockchain IoT Security Model**: Researched and designed a prospective security model for smart home appliances using Ethereum smart contracts.
- **Conway's Game of Life:** Simple Python/MatPlotLib implementation of James Conway's Game of Life cellular automata.

## EDUCATION

University of Oregon, Eugene, OR          06/2020

**Bachelor of Science**: Physics, Computer Science -- GPA: 3.33

## LEADERSHIP EXPERIENCE

**President** at *Gamma Rho Chapter, Delta Tau Delta Fraternity*

- Key spokesperson for ninety man chapter. Responsibilities include chairing meetings, policy compliance, and serving as primary representative to national organization, university, alumni board, and business partners.
- As President, chapter earned highest grades on campus, most involved chapter award, outstanding community service and engagement award, and emerging leaders award.

**Director of Administration** at *UO Sexual Violence Prevention Task Force*

- Plan and run weekly meetings, maintain administrative materials, and communicate with delegates.