Andrew Winterman

Resilient and effective; critical, creative thinker; quick learner; disciplined, numerate, consensus-oriented problem solver. Sympathetic and flexible. Listener.

4055 NE 19th Ave.
Portland OR 97212
(714) 362 6823
andywinterman@gmail.com

WORK EXPERIENCE

Altro Inc, Remote — *Lead Software Engineer*

March 2022 - present

Lead engineer on notifications and banking projects, written in GoLang. Mentored remotely through pair programming, 1:1s. Introduced robust asynchronous eventing patterns. Integrated better cloud native tech to reduce fear of deployments, improve observability, and error propagation in a distributed context.

Altruist Corps, Remote — *Staff Software Engineer*

May 2021 - Feb 2022

As architect's right hand: Embedded with other teams to accelerate development; spread best practices. Safely improved legacy systems, diagnosing and fixing especially tenacious bugs. Support and mentor more junior engineers.

Bumped Inc, Portland OR — *Senior Software Engineer*

March 2020 - May-2021

Rearchitected fintech mobile- and web-app backend from a typescript monorepo to kotlin gRPC microservice architecture, leverage Google Cloud Datastore, PubSub, BigQuery, kubernetes, helm, terraform, prometheus/grafana. Maintained broker-dealer automation to execute trades against the market. Integrated third party APIs for executing trades; core business use cases.

Active partner in "last mile" of product development.

MercyCorps, Portland OR — *Technical Lead and Product Manager*

January 2019 - March 2020

Lead rewrite of micromentor.org using Django/PostgresSQL, with first class support for internationalization, and abuse management functionality, directing traffic to keep a team of 4 productive and on schedule. Led technical decision making. Lead and then delegated product development.

Urban Airship, Portland OR — *Senior Data Engineer*

April 2015 - January 2019

Designed [public streaming API](). Maintained [datacube](), an OLAP counting system built on BigTable/HBase for reporting/analytics in an evented system at scale (30k events/ second, sustained). Designed and built system supporting [partner integrations]() in AWS EC2. Debugged ETL of Redshift based analytics system. Drove

SKILLS

Strong competency in computer programming: Golang, Kotlin, Java, Golang. Google GCP, AWS; HBase/BigTable, PostgresQL, Datastore, BigTable, BigQuery, Google Cloud PubSub. Google Protocol Buffers, gRPC, Apache Kafka, Open Telemetry .

Consensus building, mentorship, leadership in remote-working contexts.

Strong writing skills.

LANGUAGES

Spanish - Near fluent

German - Formerly Intermediate

Interests

Camping, Hiking

Ultimate Frisbee

Spanish language literature

Bicycles

Chess

Writing

consensus based decision making. Educated junior team members through code review, conversation, pair programming. Assisted in product development.

Urban Airship, Portland OR — *Senior Web Engineer*

March 2013 - April 2015

Maintained [django-backed](#) app using all custom, node-style small module frontend code. [Proposed and implemented](#) move from home-baked testing framework to [tape](#). Added modern features to legacy systems in a safe, methodical, tested manner.

COMMUNITY INVOLVEMENT

Rip City Ultimate, Portland OR — *Team member, Co-Captain*

Summers 2015 - present, 2-6 hours per week, 6 month commitment.

Team member in Competitive Portland Ultimate club team, which travels to tournaments and competes at a high level. Implement team-wide strategies and maintain composure in the face of stiff and often superior competition.

Friends of Trees, Portland OR —*Volunteer Crew Leader*

Winters 2015 - present, 4 hours per week, intermittent

Planted trees following mandated protocol. Explained best tree planting procedure to others. In charge of navigating from site to site, ensuring safety of all-volunteer crew, and planting trees.

Portland Ultimate Frisbee Foundation, Portland OR — *Volunteer*

February 2017 - present, 2 hours per week, 6 month commitment.

Taught fundamentals of Ultimate, self-officiation, basics of athletic movement and preparation to youth and adults. Fundamentals of ultimate include how to throw a frisbee, good sportsmanship, competitive but respectful conduct on and off the field, and conflict mediation.

We Are Here Community Center, Nea Kavala, Greece — *Volunteer*

December 2016, 2 weeks, 6 days a week

Assisted existing community center with programming and community involvement. Coached PE to youth and children in an informal, open setting. Supplied sports equipment to the community center. Developed relationships with refugees and other volunteers.

Educate Ya, Portland OR — *Volunteer*

February 2016 - 2017, 2 hours per week

One-on-one English tutoring and language exchange with adult U.S. immigrant.

Open Source Projects, Various, Portland, Oregon — *Contributor*

2010-present, 4-8 hours per week. Portfolio of contribution is [online](#)

Lead and contributed to open source projects in the Python and Node.js software communities. Wrote documentation, educational material, and presented on advanced technologies, sophisticated algorithms, best practices.

EDUCATION

Reed College, Portland OR — *Bachelor of Arts*

August 2006 - December 2010

Studied Mathematics, wrote thesis on Statistical Tests of Equivalence