

Zach Smith

zach_asmith@yahoo.com | aryzach.github.io | linkedin.com/in/aryzach | github.com/aryzach

Skills

Python | Haskell | Purescript | Javascript | Linux | Docker | Git | Ansible | MLOps | Jenkins CI/CD | Vagrant
| Azure | AWS | networking | microservices | virtualization | DevOps | backend | hardware | circuit design

Experience

Senior Software Engineer

Oct 2021 – Present

iMetalx | Sausalito, CA
Defense Tech

- Led software development of a novel communications technology to meet requirements for US Air Force, leading to a successful live demonstration for DoD stakeholders
- Product Manager on android development, our primary revenue source
- Currently designing and simulating a proof-of-concept system to mitigate space debris for the US Space Force
- Portfolio of work led to winning research proposals with US Space Force for \$1.7MM and prime contractor revenue of \$380k

Software Engineer, Contractor

Aug 2022 – Nov 2022

T-Do, Inc. | Remote

- Wrote and open-sourced the Purescript virtual DOM library, [Snabbare](https://snabbare.com), for a startup's MVP
- Currently used in a live private beta as part of the project at [T-Do.com](https://t-do.com)

Robotacist

May 2020 – Aug 2021

Twisted Fields | San Gregorio, CA
AgTech

- Developed software and hardware of a smart irrigation system in part of larger effort to create tooling for small farms
- Designed and implemented a solar LFP passive charger for electric vehicles
- Mechanic on [Acorn](https://acorn.farm), the solar-powered, precision farming rover

Software Engineer Intern

Jan – May 2019

NASA | Hampton, VA

Venture Capital Tax Intern

Jan – May 2017

BDO, LLP | San Francisco, CA

Projects

Unmanned Aerial Vehicle Team (Computer Vision)

Aug 2019 – May 2020

UT Austin | Austin, TX

- Led MLOps team to increase model inference accuracy from 3% to 50% and integrate model into production

Musician

Aug 2019 – May 2020

Wiccit (band) | Austin, TX

Education

University of Texas | Austin, TX

Aug 2019 – March 2020

Audited undergrad mathematics and graduate computer science courses

Michigan State University | East Lansing, MI

Sept 2012 – May 2017

Accounting