

Graham Annett

Boise, ID

graham.annett@gmail.com

EDUCATION

PhD Computing Program, Computer Science Emphasis 2020 – 2024 (Anticipated Summer)

Boise State University, Seattle, WA

- Research on multimodal deep learning and RL methods for models as agents (PyTorch, Gym, CUDA, Playwright).

Masters of Science in Applied Mathematics 2018 – 2020

University of Washington, Seattle, WA

- Coursework in HPC & Scientific Computing, Computational Methods for Data Analysis, Dynamical Systems.

Bachelor of Arts in Mathematics and Economics 2009 – 2013

University of Colorado, Boulder, CO

WORK EXPERIENCE

Summer Internship and PhD Funding 2021 – 2022

Idaho National Labs

- Led a deep learning project to modernize industrial safety systems and internship with cyber security threat group.
- Recognized as the top code contributor amongst summer interns, delivering the highest volume and quality of commits while also shifting the team to modern development practices for testing, CI pipelines and git workflows.
- Deliverables include prototyped semi-supervised data annotation web application and hazard detection system.

Software Engineer 2020

Odyssey Space Research, Houston TX

- Validated mission planning and risk for Lunar Gateway's novel orbit through Monte Carlo simulation analysis.
- Built tooling in C++/Python to help engineers verify trajectories (NRHO) for upcoming NASA missions.

Software Engineer 2016 – 2017

Kip, Remote/New York City, NY

- Led the redesign, development and launch of a backend system for early stage startup working on office chatbots, integrating multiple frontend interfaces and spearheading the natural language processing components.
- Engineered multiple Python and Node.js-based services and data infrastructure featuring RESTful API design on Docker & Kubernetes, enabling zero downtime, continuous deployments, and automated testing of critical features.

Data Scientist 2014 – 2015

BitTitan, Seattle, WA

- Developed data ingestion pipeline for automated model training and validation, generating actionable leads and positive outcomes, while conveying complex statistical insights through clear reports and visualizations to CEO/CIO.

SELECTED PUBLICATIONS

Graham Annett, Tim Andersen. Decision Transformer With Tokenized Actions *AAAI 2024*

Graham Annett, et al. Challenges of Self-Supervised Learning for Unified, Multimodal, Multi-Task Transformer Models *CSCI 2022*

Graham Annett, et al. Detecting Adversarial Attacks through Neural Activations. *ICLR (Workshop) 2021*
