

Chris Barrick

SOFTWARE ENGINEER

Athens, GA

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Skills

Languages Rust, Python, Prolog, Java, Go, JavaScript (Node.js), SQL, Shell
Platforms Google Cloud, Anaconda, Debian/Ubuntu, Arch Linux
Technologies Git, Scikit-learn, PyTorch, Tensorflow, Spark

Experience

Google

SOFTWARE ENGINEER - SITE RELIABILITY

- Site reliability in Cloud Machine Learning.

Pittsburgh, PA

Sep. 2019 - Present

UGA Institute for Artificial Intelligence

RESEARCH ASSISTANT

- Developed predictive models for solar irradiance from 2TB of historical forecast data.
- Developed a data ingestion pipeline for NOAA weather forecasts in Python with xarray and netCDF.

Athens, GA

Aug. 2016 - May 2017

Hayver

PROLOG DEVELOPER AND INTERN

- Advised business leaders in the transition from a legacy Prolog system into a Java-based microservice architecture.
- Drafted a data model with support for dynamic objects on a SQL backend.

Atlanta, GA

May 2017 - Aug. 2017

Digital Envoy

SOFTWARE DEVELOPMENT INTERN

- Developed a job to alert for suspicious changes to weekly database releases.

Atlanta, GA

May 2016 - Aug. 2016

Education

University of Georgia

M.S. ARTIFICIAL INTELLIGENCE

- Thesis: *Local Solar Irradiance Prediction from Regional Numerical Weather Forecasts*.
- Interdisciplinary coursework in Computer Science, Linguistics, and Philosophy.
- **Courses:** Algorithms, Knowledge Based Systems, Generative Syntax, Philosophy of Language, Decision Making Under Uncertainty, Biomedical Informatics, Data Science II, Applied Machine Learning, Advanced Data Analytics, Data Science Practicum

Athens, GA

Aug. 2016 - Present

University of Georgia

B.S. COMPUTER SCIENCE / B.A. COGNITIVE SCIENCE

- Double major with an area of emphasis in Artificial Intelligence.
- Developed a conditional term-rewriting system in Prolog as a directed study in AI.
- **Select courses:** Model Theory, Symbolic Programming, Evolutionary Algorithms, Artificial Intelligence, Linear Algebra, Multivariable Calculus, Cognitive Psychology, Philosophical Psychology, Computer Networks, Databases

Athens, GA

Aug. 2011 - Dec. 2015

Organizations

2018 **CSIP: Computer Science Interview Prep**, Co-Founder, Vice President

2017 **DELUG: Deep Learning @ UGA**, Officer

Oct. 2018 - May 2019

Nov. 2017 - Apr. 2018

Publications

2017 **Solar Radiation Prediction Improvement Using Weather Forecasts**, Sanders, Barrick, Maier, Rasheed.

IEEE ICMLA