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 — *Pittsburgh, PA*
SOFTWARE ENGINEER - SITE RELIABILITY — *Sep. 2019 - Present*
- Site reliability in Cloud Machine Learning.

UGA Institute for Artificial Intelligence — *Athens, GA*
RESEARCH ASSISTANT — *Aug. 2016 - May 2017*
- 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.

Hayver — *Atlanta, GA*
PROLOG DEVELOPER AND INTERN — *May 2017 - Aug. 2017*
- 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.

Digital Envoy — *Atlanta, GA*
SOFTWARE DEVELOPMENT INTERN — *May 2016 - Aug. 2016*
- Developed a job to alert for suspicious changes to weekly database releases.

Education

University of Georgia — *Athens, GA*
M.S. ARTIFICIAL INTELLIGENCE / DID NOT GRADUATE — *Aug. 2016 - Sep. 2019*
- Research in solar irradiance modeling.
- 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

University of Georgia — *Athens, GA*
B.S. COMPUTER SCIENCE / B.A. COGNITIVE SCIENCE — *Aug. 2011 - Dec. 2015*
- 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

Organizations

2018	**CSIP: Computer Science Interview Prep**, Co-Founder, Vice President	*Oct. 2018 - May 2019*
2017	**DELUG: Deep Learning @ UGA**, Officer	*Nov. 2017 - Apr. 2018*

Publications

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