Krishna Chittur
github.com/krishnachittur
krishna@chittur.dev
kpchittu@alumni.cmu.edu

Education

- **Carnegie Mellon University** Aug 2020 - Dec 2021
  GPA: 4.01/4.0
  - MS Computer Science
- **The University of Texas at Austin** Aug 2016 - May 2020
  GPA: 3.97/4.0
  - BS Computer Science, Turing Scholars Honors with High Honors
  - BS Mathematics with High Honors

Experience

- **Languages**: Python, Rust, Kotlin, Haskell, Java, Standard ML, C++17, C, Prolog, Golang
- **Other skills**: bash, git, regex, Python data/ML (PyTorch, numpy, spaCy, sklearn, gensim, etc.)

Projects

- **Duolingo Inc.** Feb 2022 – Present
  Software Engineer in Pittsburgh, PA duolingo.com
  - Learning Infrastructure My current team maintains and develops critical backend services for the main Duolingo app with a focus on reliability, robustness, and efficiency.
- **Duolingo Inc.** Summer 2021
  Software Engineering Internship in Pittsburgh, PA duolingo.com
  - Android Client Messaging Refactor Rewrote significant part of Android codebase to allow for dynamic server-generated messages to users. The resulting code was more idiomatic and testable. Used Kotlin and Dagger+Hilt for dependency injection.
- **Undergraduate Honors Thesis** Spring 2020
  Thesis for completion of Turing Scholars Honors degree chittur.dev/thesis.pdf
  - Automated Machine Learning/Meta-Learning Examined ramifications of integrating hyperparameter optimization into a neuro-evolutionary pipeline, making use of dataset meta-features.
- **SparkCognition Inc. (Darwin AutoML team)** Summer 2019
  Data Science Internship at AI Firm in Austin, TX sparkcognition.com
  - Hyperparameter Optimization Researched and applied cutting-edge hyperparameter optimization techniques such as Hyperband in an automated machine learning pipeline.
  - Overhauled Testing System Refactored testing and benching system to work with new data ingestion pipeline to greatly increase data scientist productivity.
- **SparkCognition Inc. (DeepNLP team)** Summer 2018
  Software Engineering Internship at AI Firm in Austin, TX sparkcognition.com
  - Information Retrieval Designed and implemented framework and pipeline for flexibly indexing and searching specialized corpora of natural language text, e.g. technical manuals.
  - Clustering Researched and tested different methodologies for real-time search result clustering.

Other

- Perfect 170/170/6.0 GRE.
- Ajit B. Ramchandani Endowed Presidential Scholarship (2016).
- UT College Scholar (2018, 2019, 2020).