Zachary Butler

As a junior programmer I hope to engage with projects that will allow me
to leverage my creativity, ability, and enthusiasm for languages old and new.

Projects and Activities

- Created a simple shell for use in a *nix environment. This project included piping, child processes, and access to all command line programs used in a normal shell.
- Trained a multilayer perceptron on the Pima Indian Diabetes Database. Reporting and visualizations done in Jupyter Notebooks.
- Wrote neural network library in Python.
- Coached high school students in the First Tech Challenge robotics competition.
- Implemented a Lisp interpreter in C.
- Implemented typed and untyped versions of the lambda calculus in Agda.

Technical Skills

- Elixir / Phoenix
- Python, including Numpy and Pandas
- Linux
- C
- Lisp / Clojure
- Javascript
- HTML

Education

2019   **BSc, Computer Science**; Lamar University (Beaumont)

Relevant Coursework: Machine Learning, Artificial Intelligence, Operating Systems, Algorithm Design and Analysis, Data Structures, Programming Language Design

zacharybutler@protonmail.com • 409 549 2109 • github.com/zachbutler