

# Guthrie McAfee Armstrong

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github.com/gmarmstrong

gmarmstrong.org

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## EDUCATION

UNIVERSITY OF GEORGIA

Computer Science

Athens, GA

December 2020

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## PROFICIENT SKILLS

Programming languages: Python, Java, Vimscript, Nix, and Bash

Markup languages:  $\LaTeX$  and HTML

Tools and systems: Linux, NixOS, Git, Vim, and PostgreSQL

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## RECENT PROJECTS

Vim plugin for writing poetry and prose, written for UGAHacks 2018

vim-muse

Datamuse API Python wrapper

python-datamuse

Python library and plugin repository for interfacing with web APIs

postget

NixOS system and user environment configuration

dotfiles

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## EXPERIENCES

SOUTHERN CENTER FOR HUMAN RIGHTS

Remote

Project collaborator

December 2018 to present

— Scraping web data from jails and courts in every Georgia county

— Leading group of volunteers to file numerous FOIA requests

— Composing reports to reveal the effects of bail denial on case outcomes

ATHENS-CLARKE COUNTY DIVERSION CENTER

Athens, GA

Intern software engineer

February to April 2018

— Worked with team of 4 students

— Designed database with PostgreSQL

— Built Java Database Connectivity (JDBC) interface

UGAHACKS 2018

Athens, GA

Hackathon participant

February 2018

— Worked with team of 3 partners

— Learned Vimscript and published muse Vim plugin in 40 hours

— Placed between 4th and 6th place of 26 teams

THE MERCURY

Atlanta, GA

Restaurant server

March 2016 to October 2017

— Developed customer service and professional communication skills

— Trained to work well under pressure

SOUTHERN APPALACHIAN YOUNG FRIENDS

Southern Appalachia

Clerk of Quaker business committee

February 2014 to June 2016

— Led self-managed interstate community of over 100 Quaker youth for 9 service retreats per year

— Trained in Quaker business process for conducting consensus-based meetings

FERNBANK LINKS

Atlanta, GA

Programmer and web developer

April to December 2015

— Developed programs with Java WPI Robotics library

— Taught programming to elementary school children

— Used computer-aided design to model robots

— Developed and maintained multiple websites

FRIENDS COMMITTEE ON NATIONAL LEGISLATION

Washington, D.C.

Worked with legislators on federal policy for energy conservation

March 2015