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TODD B. TRAFFANSTEDT

Education

The University of Alabama	**Tuscaloosa, AL**	**December 2017**
B.S. in Computer Science	Minor in Mathematics and Physics	GPA: 3.41/4.00

Employment

Software Development Intern	**TicketBiscuit**	**May - August 2017**

- Designed and created an image resizing service utilizing AWS (lambda(C#), API gateway, Cloudfront, S3) that supports dynamically resize images on print-at-home ticket layouts
- Adapted .NET service hosts to be compatible with .NET core for future development

Computer Technician	**The University of Alabama**	**March 2014 – Present**

- Provide technical support for faculty and classrooms within the Culverhouse College of Commerce as well as mange newer student workers

Projects

Wholegrain Tweets	**March 2017**	**Python/Django/PostgreSQL**

- Won the "#HackHarassment" award at Crimson Hacks 2017, built with one other person
- Users can sign up on a webpage for automated and encouraging tweets from a python based twitter bot

Self-Learning Tetris	**May 2017**	**Python**

- Created a self playing Tetris simulation from scratch that places pieces based on a heuristic
- Implemented a successful genetic algorithm that improved the simulation after a number of generations

Skills and Courses

- Proficient: C; C++; Python; Java; SQL
- Some experience with: C#; HTML5; CSS; Swift
- software: UNIX/Linux; Windows; Git; Visual Studio
- Coursework: Databases; Cloud Computing (Hadoop & Map-Reduce); Artificial Intelligence; Computer Algorithms; Operating Systems; Programming Languages; Capstone Computing

Accomplishments

- University of Alabama Honors College
- Eagle Scout Award: May 2013