

CHRISTOPHER S. CORLEY, PhD

Chattanooga, TN 256-668-3424

<https://christop.club> cscorley@ua.edu

EDUCATION

PhD, Computer Science

University of Alabama

May 2018

Tuscaloosa, AL, USA

MS, Computer Science

University of Alabama

August 2014

Tuscaloosa, AL, USA

BS, Computer Science

University of North Alabama

May 2011

Florence, AL, USA

PROFESSIONAL EXPERIENCE

Software Engineer

Coyote Logistics

2016 –

Chattanooga, TN, USA

- Lead developer for projects using Elasticsearch
- Backend developer maintaining critical internal business infrastructure

Visiting Researcher / Research Developer

ABB Corporate Research

2015 – 2016

Raleigh, NC, USA

- Created & lead project to reduce interruptions of knowledge workers
- Maintained web service for hundreds of internal users

Graduate Research Assistant

Department of Computer Science, University of Alabama

Fall 2014

Tuscaloosa, AL, USA

- Performed research related to Software Security
- NSA Grant “Growing the Science of Security Through Analytics”

Graduate Teaching Assistant

Department of Computer Science, University of Alabama

Spring 2013 – Spring 2014

Tuscaloosa, AL, USA

- Taught 1st & 2nd year students
- Courses: Programming II & Software Engineering

Undergraduate Research Mentor

Department of Computer Science, University of Alabama

2011 – 2014

Tuscaloosa, AL, USA

- Lead & mentored undergraduates on various research projects

TECHNICAL EXPERIENCE

Open-source projects

- Gensim: Python topic modeling library, core contributor (~28K PyPI installs/month)
- whatthepatch: Python diff/patch parsing library, owner (~500–1K PyPI installs/month). Used in projects from companies like Twitter, Pinterest, Mozilla, and Pixar.

Research instrumentation

- Language-agnostic source code parser using ANTLR4 grammars. Java, XML
- Application for source code search using linguistic similarity rather than keywords. Python

SKILLS & TECHNOLOGIES

Programming languages: C# (primary), Python (secondary), Java, C, C++, Rust

Platforms: GNU/Linux, OS X, Windows

Tools: sh, Vim, Git, SSH, LaTeX, Visual Studio, Visual Studio Code, Elasticsearch