

CHRISTOPHER S. CORLEY, PhD

Chattanooga, TN 256-668-3424
<https://christop.club> cscorley@ua.edu

EDUCATION

PhD, Computer Science University of Alabama	<i>May 2018</i> Tuscaloosa, AL, USA
MS, Computer Science University of Alabama	<i>August 2014</i> Tuscaloosa, AL, USA
BS, Computer Science University of North Alabama	<i>May 2011</i> Florence, AL, USA

PROFESSIONAL EXPERIENCE

Software Engineer Coyote Logistics <ul style="list-style-type: none">• Lead developer for projects using Elasticsearch• Backend developer maintaining critical internal business infrastructure	<i>2016 –</i> Chattanooga, TN, USA
Visiting Researcher / Research Developer ABB Corporate Research <ul style="list-style-type: none">• Created & lead project to reduce interruptions of knowledge workers• Maintained web service for hundreds of internal users	<i>2015 – 2016</i> Raleigh, NC, USA
Graduate Research Assistant Department of Computer Science, University of Alabama <ul style="list-style-type: none">• Performed research related to Software Security• NSA Grant “Growing the Science of Security Through Analytics”	<i>Fall 2014</i> Tuscaloosa, AL, USA
Graduate Teaching Assistant Department of Computer Science, University of Alabama <ul style="list-style-type: none">• Taught 1st & 2nd year students• Courses: Programming II & Software Engineering	<i>Spring 2013 – Spring 2014</i> Tuscaloosa, AL, USA
Undergraduate Research Mentor Department of Computer Science, University of Alabama <ul style="list-style-type: none">• Lead & mentored undergraduates on various research projects	<i>2011 – 2014</i> Tuscaloosa, AL, USA

TECHNICAL EXPERIENCE

Open-source projects <ul style="list-style-type: none">• Gensim: Python topic modeling library, core contributor (~28K PyPI installs/month)• whatthepatch: Python diff/patch parsing library (~500–1K PyPI installs/month)
Research instrumentation <ul style="list-style-type: none">• 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: Python (primary), C# (secondary), Java, C, C++, Rust
Platforms: GNU/Linux, OS X, Windows
Tools: sh, Vim, Git, SSH, LaTeX, Vagrant, Visual Studio, Elasticsearch