

CHRISTOPHER S. CORLEY

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EDUCATION

PhD, Computer Science

University of Alabama

- Working title: “Towards Online Topic Modeling for Software Maintenance Using A Changeset-based Approach”

Expected May 2016

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

Visiting Researcher / Research Developer

ABB Corporate Research

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

2015 –

Raleigh, NC, USA

Graduate Research Assistant

Department of Computer Science, University of Alabama

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

Fall 2014

Tuscaloosa, AL, USA

Graduate Teaching Assistant

Department of Computer Science, University of Alabama

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

Spring 2013 – Spring 2014

Tuscaloosa, AL, USA

Undergraduate Research Mentor

Department of Computer Science, University of Alabama

- Lead & mentored undergraduates on various research projects

2011 – 2014

Tuscaloosa, AL, USA

TECHNICAL EXPERIENCE

Open-source projects

- Gensim: Python topic modeling library, core contributor (~28K PyPI installs/month)
- whatthepatch: Python diff/patch parsing library (~500–1K PyPI installs/month)

Closed-source projects

- End user application that colors LED lights (blink(1) & NeoPixels) based on user activity. C#, SQL

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

Platforms: GNU/Linux, OS X, Windows

Tools: sh, Vim, Git, SSH, LaTeX, Vagrant, Visual Studio.