

CHRISTOPHER VADEN CARLILE

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<http://github.com/ccarlile>

PROFESSIONAL EXPERIENCE

One man army, Lokel

September 2015 - Present

- Singlehandedly developed a social network that allows users to interact with their local community.
- Developed server back-end using modern technologies like Node.js, Amazon Web Services, and MongoDB.
- Designed and implemented a corresponding hybrid app using the Ionic Framework and AngularJS.

Research Assistant, Institute for Intelligent Systems

September 2014 - September 2015

- Worked with Windows Azure Pack and C# to help prototype backend for experimental Web App.
- Used web scraping technologies and Python scripting to gather and format text data for large n Natural Language Processing research.
- Attended, participated in, and presented to public weekly research meetings.

Research Intern, Institute for Intelligent Systems

June 2014 - August 2014

- Created content for intelligent tutoring software using custom authoring tools on topics from Gateway Algebra to Bicycle Maintenance.
- Performed preprocessing and statistical analyses on experimental data.
- Programmed research tools using a variety of languages and API's, such as a real-time Twitter scraper.

Quality Tester, Zerochaos, contracted to Adobe Systems, Inc.

November 2012 - April 2013

- Used knowledge of UNIX systems to perform daily black-box testing of proprietary software on Android devices.
- Responsible for writing bug reports and communicating problems in a precise manner.
- Streamlined workflow across the team by writing and disseminating shell utilities.

Summer Researcher, University of Tennessee Department of Mathematics

Summer 2010

- Assisted Dr. Conrad Plaut in research on Discrete Homotopy Theory in the Math Honors summer research program.
- Helped direct and investigate original research with a peer group and presented results at the Young Mathematicians Conference, September 2012.

TECHNOLOGIES

Favorites: Python, Javascript, Linux/Unix/OSX, Vim, Node.js, AngularJS, Express.js, MongoDB, Git, Google Search, Microsoft Windows

Familiar with: HTML5, CSS3, Twitter Bootstrap, Ionic Framework, shell scripting, Virtualbox, Amazon AWS, Digital Ocean, JQuery, \$q

Have met before: C, C++, C#, Perl, R, MatLab, F#, Scheme, SQL, Perforce

EDUCATION

B.S. Mathematics — Cum Laude

December 2012

The University of Tennessee at Knoxville, Knoxville, TN

- Chancellor's Honors Program, Mathematics Honors Program, Presidential Scholar

Budapest Semesters in Mathematics

Spring 2011

St. Olaf College, Budapest, Hungary

AWARDS AND HONORS

National Merit Scholar

2008 - 2012

Eagle Scout

2008