CHRISTOPHER VADEN CARLILE

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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*