

ELIJAH VERDOORN

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EDUCATION

St. Olaf College (Class of 2018)

- Pursuing majors in Computer Science & Mathematics
- Current GPA of 3.40
- Coursework in majors: Calculus 1 & 2, Hardware Design, Software Design, Operating Systems, Programming Languages, Mobile Computing Applications, Linear Algebra 1 & 2, Differential Equations, Real Analysis, Algorithms for Decision Making, Bioinformatics

WORK EXPERIENCE

Proto Labs, Inc. Software Development Intern (Summer 2016)

- Utilized an Agile development process with the Manufacturing Software Development team to refactor code, resolve technical debt, fix bugs, and build new features.
- Collaborate with full time developers to improve the development process.
- Implement Model/View/Controller patterns into an existing system to improve code modularity and reusability.
- Attend GTS-X, a conference promoting learning and sharing of technical knowledge.

St. Olaf College Student Government Association Webmaster (2014 – Present)

- Create and maintain the Student Government Association website (www.oleville.com)
- Lead a team of software developers to build All About Olaf, a cross-platform app for iOS and Android that helps students navigate campus life. Leverage the app's user base to boost attendance at events through targeted notifications
- Design, test, and publish plugins for WordPress using PHP, JS, SQL, AJAX

St. Olaf College Digital Scholarship Intern (2014 – Present)

- Design, produce, and market multimedia projects for use by students, staff, and faculty of the college
- Adobe Creative Suite, Full stack web development, WordPress, 3D Printing, Arduino microcontrollers
- Collaboration with Professor Richard Brown on the *High Performance Computing in Context (HiPerCiC)* Project

St. Olaf College Residence Life Resident Assistant (2015 – Present)

- Build Community, foster communication, resolve conflicts
- Plan events, manage a community of 60 residents who hail from diverse backgrounds across the world

PROJECTS AND PAPERS

Web-Based Mobile Display of 3D Models (April 2016)

- Research involving the development of new techniques in bot server-side rendering and client rendering
- Published in the proceedings of the Midwestern Instructional Computing Symposium 2016

Training Android Developers (Spring 2016)

- Curriculum used in CSCI 284 at St. Olaf College
- Write homework assignments, deliver lectures, hold office hours to address student needs
- Developed and taught in collaboration with Professor Richard Brown

TECHNOLOGIES

- Skilled in Java, HTML, CSS, PHP, C, C++, C#, Python, JavaScript; Experience in SQL, Scheme, Microsoft MVC, ASP, ASP.NET, VBScript
- Experienced with all major Operating Systems, both mobile and desktop. Worked with Linux Kernel code during fall semester 2015, interacting directly with the operating system. Confident in use of command-line and IDE workflows.
- Cluster manager of St. Olaf's Computer Science clusters, used for undergraduate research
- Proficient in Git Version Control