

MAGNUS CARDELL

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QUALIFICATIONS PROFILE

Computer Science student with a rapidly developing portfolio of technical tools and concepts in software as well as hardware. Seeking an internship with a tech-focused organization.

- **Software Solutions:** Diverse portfolio of project applications created in both academic and personal settings. I enjoy working on projects that require me to push the boundaries of my expertise. I strive to continuously learn new languages and development techniques.
- **Technical Troubleshooting:** Successful in identifying and addressing faulty or problematic issues concerning software, hardware, and C++ safe practices. Develop action plans to improve systems performance and resolve impeding issues

EDUCATION

St. Olaf College, Northfield, MN

GRADUATION: MAY 2018

B.A. in Computer Science and Music

Awards: Christiansen Scholarship, Mary Esther & Erna Orth Endowed Scholarship.

PROJECTS

Personal Assistant

- A Prolog and Python application that recognizes voice commands and performs predefined applicable actions.
- Python to Prolog communication through a TCP connection. Python libraries convert the voice to text and handles the Google Calendar integration. Prolog is used for its unique declarative system perfect for database handling.

Laundry Pi.

- C++ application for students to check in real time if a washing machine is available.
- Successfully implemented cross platform communication between a Raspberry Pi and webhost.
- Analyzed vibration data using pattern matching to determine the validity of the data.

Additional projects: *github.com/magnuscardell*

Languages: C++, Python, Prolog, Java, HTML, Assembly as88.

EMPLOYMENT

IT Intern, 10/2016 – Present

ST. OLAF COLLEGE, MN

Serve as technical consultant on design, production, and marketing projects.

- Wrote and developed instructional posters for using a teleprompter, its proprietary software, recording software, and lightning setup to lessen a user experience which otherwise can be intimidating.
- Provide personal consultations with teachers and staff on intuitive poster design using Adobe Photoshop.

*Additional experience as a **Waiter** (9/2014 – 10/2016) & **Receptionist** (2/2015 – present)*

VOLUNTEER EXPERIENCE

Board Member, Habitat for Humanity, St. Olaf College

OCT. 2014 – PRESENT

- Participate in construction projects to build affordable housing for low-income families.
- Plan and execute fundraisers for the Habitat for Humanity Chapter at St. Olaf.