MAGNUS CARDELL

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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

STO-detect
- Machine Learning project using PCA (Principal Component Analysis) to recognize faces from a trained database in a live camera feed.
- Written in C++ with openCV libraries.

Personal Assistant
- Logic Programming application that recognizes voice commands and performs predefined actions.
- Python libraries handle speech-to-text conversion and Google Calendar integration. Prolog computes the logical response with its declarative logic.

Laundry Pi.
- Web application for students to check in real time if a washing machine is available. Implemented cross platform communication between a Raspberry Pi and webhost. Verified vibration data through pattern recognition.
- Written in C++ with HTML and CSS for the web page.

Additional projects on my Github: *github.com/magnuscardell*

Current Language Experiences: C++, Python, JavaScript, HTML, CSS
Past Language Experiences: Java, C#, PHP, Assembly as88, R

EMPLOYMENT

Summer Intern –AR/VR Specialist, 06/2017 – 09/2017   ST. OLAF COLLEGE, MN

- Actively build the new VR department where student, staff, and faculty can come and get help integrating VR/AR technologies into their research or project.
- Conducted weekly demonstration sessions on specific workflows or creations pertaining to VR.

Digital Scholarship Intern, 10/2016 – Present   ST. OLAF COLLEGE, MN

- Work with digital technology projects concerning the production of video, audio and graphical content. Use intuitive design, and best practices to write and formulate informational posters, document workflows, and collaborate with faculty and staff.

*Additional experience as a **Waiter** (9/2014 – 10/2016) & **Receptionist** (2/2015 – 5/2017)*

VOLUNTEER EXPERIENCE

Board Member, Habitat for Humanity chapter at St. Olaf College   OCT. 2014 – PRESENT
- Increased the board member size to reflect the growing student body interest.
- Participate in construction projects that builds affordable housing for low-income families.
- Plan and execute fundraisers for the St. Olaf Habitat for Humanity chapter.