

# Kyle Farwell

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🌐 kfarwell.org / ✉ m@kfarwell.org / ☎ (519) 574-2284 / in kylefarwell / 🌐 kfarwell

Dorm 4 Rm313  
c/o Algoma University  
1520 Queen St. East  
Sault Ste. Marie, ON P6A 2G4  
Canada

## SKILLS

*Languages:* rc shell, Bourne shell, AWK, JavaScript, [X]HTML[5], CSS[3], Java, C++, Python, Processing[.js], R.

*Technologies:* werc, web content management, game programming, Material Design, CGI, RSS, reCAPTCHA, RDBMS, NoSQL, CUDA, Jekyll, Qt, Swing.

*Software:* Git, Trello, Nginx, Apache, MySQL, Tor, i2p, GDevelop, Godot, GameMaker: Studio, Ren'Py, Amazon Web Services, Docker, MPD, Active Directory, LaTeX, LibreOffice, Office 365, Blender, GIMP, Inkscape, OpenShot.

*Operating Systems:* GNU/Linux (APT, Pacman, Portage, RPM, SysVinit, systemd, OpenRC, runit), OpenBSD, FreeBSD, macOS, Microsoft Windows, Plan 9 from Bell Labs, Android.

## EXPERIENCE

*IT Help Desk Assistant* September 2017 - Present  
Algoma University, Sault Ste. Marie, ON

- Provided Level 1 and Level 2 support for all system software products including the operating system and assisted with support and implementation of software packages as requested.
- Provided accurate guidance and assistance in the operation of all hardware, software, media, multimedia, and other equipment and technology supported by ITS, and resolved problems.
- Troubleshooted reported problems; recorded incidents and documented resolution of incident. Escalated any issues or recommendations to senior IT staff.
- Configured, set up, and performed maintenance on multimedia projectors.

*Founder and Lead Developer* November 2015 - Present  
Tokumei

- Developed the back end in rc shell with the werc minimal web framework.
- Designed and wrote the front end implementing modern design standards and highly compatible fallbacks.
- Hardened Tokumei and a FreeBSD server.
- Provided technical support for clients.
- Ran advertising and social media marketing campaigns.
- Ran booths at OCE Discovery in Toronto and YES! Algoma in Sault Ste. Marie.

*President* March 2017 - Present  
Algoma Computer Science Club, Sault Ste. Marie, ON

- Designed and ran hackathons, lightning talk nights, workshops, and pub nights.
- Recruited members from local schools.
- Designed and developed the club website.
- Administrated Mailman mailing lists, social media accounts, and a community event calendar.
- Sat on the Northern Game Design Challenge board.

*Research Assistant, Network Algorithms* December 2016 - August 2017  
Algoma University, Sault Ste. Marie, ON

- Researched localized algorithms for rechargeable sensor networks.
- Worked with C++ and CUDA.
- Researched efficient data structures.
- Developed a dynamic website to visualize and interact with algorithms.
- Reported and presented research.

*Research Assistant, 3D Scanning and Web Development* March 2017 - April 2017  
Algoma University, Sault Ste. Marie, ON

- Scanned cultural heritage artifacts in 3D.
- Fixed scan errors in Blender and GIMP.
- Researched efficient solutions for displaying 3D models on the web.
- Developed a dynamic web website with embedded 3D scans.

*Laptop Refurbishment Volunteer* November 2014 - May 2016  
Computer Recycling, Kitchener, ON

- Troubleshooted and fixed varied problems.
- Speced out laptops and installed Xubuntu for resale.
- Stripped laptops for recycling.

*IT Support Tech* July 2013 - August 2013  
Bruce Grey Catholic District School Board, Hanover, ON

- Replaced network hardware.
- Installed and updated software on Windows and OS X computers.
- Troubleshooted and closed support tickets.

## EDUCATION

*Candidate for Honours Computer Science (BCoSc)* September 2016 - Present  
Algoma University, Sault Ste. Marie, ON

- Expected graduation in April 2020.
- Ran the Algoma Computer Science Club.
- Received a Silver Award of Excellence.

*Secondary School* September 2012 - July 2016  
Bluevale Collegiate Institute, Waterloo, ON

- Graduated with Ontario Scholar distinction.
- Earned an average of 97% in Computer Science courses.
- Participated in the Canadian Computing Competition.

## INTERESTS

*Hackathons:* Placed second at THacks; participated in Hack the North, Hack the Orchestra, and Tech Retreat.

*Free software:* Attended LibrePlanet 2015 at MIT in Cambridge, MA; regular attendance at the Kitchener-Waterloo Linux User Group (2 years).

*Economics and business:* Attended the 2015 International Conference of Prices & Markets at UToronto, exhibited at OCE Discovery 2017 in Toronto, exhibited at YES! Algoma in Sault Ste. Marie, nominated for the 2017 SSMARt Innovation Youth of the Year award.