

Garrett Sundin

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gsundin.github.io
for more information

Objective

To attain a fulltime, entry-level position for software and/or web development

Strengths

Accountable, innovative, results-oriented, quality-focused, analytical, driven, quick learner

Education

University of Minnesota, Twin Cities
Computer Science B.A. and Psychology Minor
Expected Graduation: Spring 2017
GPA: 3.1 / 4.0

Work Experience

Punch Through Design, Minneapolis, MN

May 2016 – Present

(Software/Firmware/Web Engineering Intern – 20-40 hours/week)

- Developed firmware with team for popSLATE 2 (written in C, tested in Python, used various debugging hardware)
- Wrote tutorials, guides, and projects for the LightBlue Bean (Arduino and BLE profiles)
- Modified company website to fix bugs (Github, Heroku, AWS)
- Added style and functionality to company website to increase views/sales (HTML, CSS, JavaScript, Rails)
- Improved shipping fulfillment process (Shopify API, Liquid)

Innovative Technology Partners, Plymouth, MN

Oct 2010 – May 2016

(IT Support and Maintenance)

- Built and maintained PCs, laptops, servers, NAS units, switches, routers, modems, VoIP systems, and more
- Worked directly with end-users to solve technical problems and upgrade hardware and software
- Managed IT infrastructure with GFI Max monitoring and support tools like TeamViewer

Leadership and Volunteering

Institute of Electric and Electronic Engineers (IEEE), UMN Student Branch

Oct 2014 - Present

(Board Member: Systems Administrator)

- Leading technical projects to improve conditions of IEEE members' lounge
- Planning large events such as the IEEE banquet and LAN parties for 200+ people
- Managing IEEE-UMN website (Wordpress)
- Upgrading and maintaining software/hardware on workstations in the room

Other

Boy Scouts of America, IOCP, Medina highway cleanup, Children's Cancer Research fund, Humane Society Pet Walk, CSE Soldering Tutorial, University on the Prairie, Troop Backpacking Leader, as well as multiple beach, forest, park, and cemetery restorations.

Miscellaneous Projects

- Fnid (search plugin for Chrome that accounts for spelling errors)
- CoffeeBot (SMS- and email-enabled IoT coffee maker)
- MacBot (conversational AI with Slack and FB Messenger integration)
- Pumpkin Notifire (ANCS-connected fire-breathing jack-o-lantern)
- Raspberry Pi arcade cabinet (RetroPie distro and recycled wooden pallet boards)
- Retro Arduino arcade controller (HID over Bluetooth Low-Energy)
- Arduino leak detector, Fakey-Makey, CDAL-C++ cross compiler, various soldering side-projects

Professional Skills

Programming languages: Java, C, C++, Python, Ruby, MySQL, Liquid

Web: HTML, CSS, Rails, Slim, Markdown, Express, Heroku, CloudFront & S3, CloudFlare, Refinery

OS: Windows (XP, Vista, 7, 8.1, 10), iOS, Mac OSX 10.x, Raspian, Ubuntu

Office Tools: Photoshop, DreamWeaver, AfterEffects, Excel

Other: Git, Github, TortoiseSVN, VMWare, Eclipse, JetBrains IDEs, official and third-party APIs

Hardware: Servers, Arduino, Raspberry Pi, Leopard Gecko, electrical sensors/actuators