

Garrett Sundin

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References

Mike Waddick: President (*Punch Through Design*)
612.208.2327 | mike@punchthrough.com

Mark Mathis: IT Consultant (*Innovative Technology Partners, LLC.*)
952.484.7092 | mark@techspert.com

Relevant Work Experience

Punch Through Design, Minneapolis, MN
(Software/Firmware/Web Engineering Intern – 20-40 hours/week)

May 2016 – July 2017

- Developed firmware with team for popSLATE 2 (written in C and Python)
- 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
(IT Support and Maintenance)

Oct 2010 – May 2016

- 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

Education

University of Minnesota, Twin Cities
Computer Science with Psychology Minor (*graduated May 2017*)
GPA: 3.1 / 4.0

Miscellaneous Projects

- Fnid – Written with JS on top of chrome. Public Github. (search plugin for Chrome that accounts for spelling errors)
- CoffeeBot – Written in Python on Raspberry Pi. (SMS- and email-enabled IoT coffee maker)
- MacBot – Made with api.ai and other APIs. (conversational AI with Slack and FB Messenger integration)
- Pumpkin Notifire – Written in Arduino for LightBlue Bean. (ANCS-connected fire-breathing jack-o-lantern)
- Raspberry Pi arcade cabinet (RetroPie distro and recycled wooden pallet boards)
- Shoetooth Fight Stick – Written in Arduino for LightBlue Bean. (HID over Bluetooth Low-Energy)
- Fakey Makey, an inexpensive version of Makey Makey (made with some resistors and a fake Arduino UNO)
- See my website for more!

Leadership and Volunteering

Institute of Electric and Electronic Engineers (IEEE), UMN Student Branch
(Board Member: Systems Administrator)

May 2016 – May 2017

- 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) and workstations in the room

University on the Prairie, UMN STEM Outreach
(Assistant Professor)

August 2016

- 3-day course teaching circuit design and engineering principles to kids from grades 7-12