Garrett Sundin

1805 Talmage Ave SE, Minneapolis, MN, 55414

612.840.4042 | garrett@sundin.org

**gsundin.github.io**

for more information

**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 May 2016 – July 2017**

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

* 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 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

**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 May 2016 – May 2017**

*(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) and workstations in the room

**University on the Prairie, UMN STEM Outreach August 2016**

*(Assistant Professor)*

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