

Neal Joslin

Mount Pleasant, Michigan • (989) 621-3301 • neal@joslin.io • nealjoslin.com

Work Experience

Advanced Battery Concepts

Software Engineer *April 2018 - July 2023*
Clare, Michigan

- Developed tools to help gather data for R&D purposes using various languages such as Python, PHP, Javascript, SQL, HTML, CSS, Visual Basic and C
- Created Full-Stack web & stand-alone applications
- Configured and managed internal developer services and standards for a small team using Gitlab, Redmine, Gitlab CI and Sentry
- Worked in a startup environment with constantly shifting goals and needs.

TechOps

Software Developer *August 2013 - December 2014*
Central Michigan University

- Created and maintained software for internal campus use such as dorm and recreational center checkin logs
- Learned to use Git, Python (Django), Gitlab and Redmine
- Collaborated with a team on projects at daily stand up meetings and occasionally presented demos to clients

Education

Central Michigan University *2019*

Bachelor of Science - Computer Science
Mount Pleasant, Michigan

Skills

- Full-Stack WebDev
- Linux
- Scripting

Languages

- Python (*Django, Tkinter*)
- Ruby (*Ruby on Rails*)
- Javascript, Typescript
- *jQuery, React*
- HTML, CSS
- PHP
- SQL
- C/C++
- Visual Basic
- Markdown, LaTeX

Tools

- Vim, Neovim, VSCode
- Gitlab, Github
- Redmine, Sentry
- Virtualization, Vagrant
- PostgreSQL, MySQL
- Nginx, Apache

Projects

Virtual Keyboard

Advanced Battery Concepts

Python (*Tkinter*) application to output scales and voltage reading devices as virtual keypresses to fill arbitrary web forms. Increased speed of data entry, simplified workflow for operators.

Keywords: Python (*Tkinter*)

Manufacturing Request

Advanced Battery Concepts

Full-Stack Python (*Django*) web application for tracking R&D projects, inventory, bill of materials, quality control metrics and scheduling.

Keywords: Python (*Django*) - Javascript (*jQuery*) - HTML - CSS - Virtualization - Rocky - Nginx

Quality Control Database

Advanced Battery Concepts

Xampp (*PHP*) web application for tracking quality control metrics

Keywords: PHP - SQL - Javascript (*jQuery*) - HTML - CSS - Apache

Voltage Data Acquisition

Advanced Battery Concepts

Arduino and accompanying controller application for receiving and recording voltage readings.

Keywords: Arduino - C - Visual Basic

Dictionary Popup

Personal

Vim and Neovim plugins for the Linux command dict and accompanying syntax file

Keywords: VimScript - Lua - Regular Expressions

Home Network

Personal

Hosting services for domain on home server, handling over 40 IoT devices and *strict* VLANs

Keywords: PfSense - Omada - Cat6 - Access Points - Switches - VLAN - WLAN - DDNS

Services: OpenVPN - Nginx - NextCloud - HomeAssistant - Gitea - Hugo - Plex