

<http://siecje.github.io/>  
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<b>Work Experience</b>	<a href="#">Giatec Scientific Inc.</a>	
	<i>Lead Software Developer</i>	Jan 2022 - Present
	<i>Manager of Software Development</i>	Feb 2020 - Jan 2022
	<i>Senior Web Developer</i>	Jan 2019 - Feb 2020

- Perspexis Technologies Inc.  
**Programmer (Employee #2)** July 2015 - Dec 2018

- Implemented RPC API with custom TCP protocol
- Implemented Desktop GUI Application with Qt and QML
- Managed hosting and backup solution for virtual machines, leveraging qcow2 and ZFS
- Backend
  - Python
  - Flask, XMLRPC, REST
  - Linux, Postgres, Beanstalkd, Redis
  - Testing: Python unittest, Pytest
  - GUI Testing: Ranorex
  - Jenkins

- Frontend
  - Python
  - PyQt5, Qt QML
  - Webix JavaScript Framework

*Golden Spear*

**Backend Developer (Contract)**

June 2015

- Created internal web application to plan and assemble training material
- Backend implemented in Django
- Frontend built with Bootstrap
- PostgreSQL Database
- Node.js application for online store
  - PhantomJS
  - Testing: Mocha
  - Worked with Captain Crunch (John Draper)

*Wind River Systems*

**Full Stack Developer**

Jan. 2013 - May 2015

- Developed a webscraper to index online products using PhantomJS
- Implemented an API to fetch product information using Sails.js
- Created Internal and Customer Facing Websites
  - Python, Django, Flask
  - JavaScript, NodeJS, AngularJS
  - Testing: Pytest
  - GUI Testing: Eggplant
- Administered Linux Servers
  - SSH, Email, LDAP
  - Databases (MySQL, SQLite, PostgreSQL, MongoDB)

**Technical Skills**

**Languages:**

- Python, JavaScript, Bash

**Technologies:**

- PostgreSQL
- NodeJS
- Django, Flask
- git, Mercurial
- Linux
- Kubernetes, Docker
- Angular
- Ranorex GUI Testing
- Eggplant GUI Testing

## Open Source

[heatpump-cost](#) - Compare costs of a heat pump to other heating sources.

[nginx-auth-proxy](#) - Authentication for multiple services using nginx.

[qml-explorer](#) - A Debug Console for Qt QML.

[loud-clips](#) - Create a highlight reel of the loud parts of a video.

[htmd](#) - Write Markdown and Jinja2 templates to create a website.

[hashword](#) - Password Manager.

## Meetups and Conferences

- Regular member of [Ottawa Python Meetup](#)
- [PyCon US](#)
- [PGCon](#) in Ottawa, ON, Canada
- Startup Weekend Thunder Bay