

**Cody Scott**  
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**Education**                      ***Honours Bachelor of Science, Computer Science***                      Sept. 2010 - Apr. 2015  
Lakehead University

**Work Experience**   [Giatec Scientific Inc.](#)                      Jan 2022 - Present  
                                 ***Lead Software Developer***                      Feb 2020 - Jan 2022  
                                 ***Manager of Software Development***                      Jan 2019 - Feb 2020  
                                 ***Senior Web Developer***

- Improved IoT device security with signed boot and custom initramfs to use LUKS2 encrypted filesystem
- Implemented updates via multiple boot partitions
- Developed third party integrations for SmartMix <https://www.giatecscientific.com/products/software>
- Managed SmartRock Mobile App (Android and iOS) and Giatec 360 software teams
- Infrastructure
  - Kubernetes, helm, Docker
  - Microsoft Azure Cloud
  - GitLab CI, GitHub CI
- Backend
  - Python, NodeJS
  - Django, Express, Flask
  - REST, GraphQL
  - PostgreSQL
  - [Drizzle ORM](#), Sequelize
  - Axios
  - Testing: Pytest
- Frontend (Giatec 360, SmartMix)
  - TypeScript
  - Angular, React
  - Testing: [Cypress](#)

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

- 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