

# Sean Kernitsman

*Software and Web Developer based in Waterloo, Canada*

✉ skernits@uwaterloo.ca    ☎ (647) 831-4626    🐾 SeanKer.com    🐙 github.com/Sean-Ker

## SKILLS

**Programming Languages:** Python, JavaScript, HTML, CSS, Sass, SQL, C#, R, LaTeX

**Technologies:** Node.js, Git, TFS, REST API, Microsoft SQL Server

**Libraries and Frameworks:** jQuery, React.js, Express, Bootstrap, TensorFlow, Scikit-learn, NumPy, Pandas, ASP.NET Core

**Environments:** Heroku, Netlify, VS Code, SQL Server Management Studio, Microsoft Excel

## RELEVANT EXPERIENCE

### Web Development Intern

May 2021 – Dec 2021

#### PCF Souvenirs

Markham, ON

- Designed, architected, and developed proprietary business vacation tracker web app using React.JS, SASS, and SQL to ensure company could keep track of vacation requests of employees
- Colaborated with third-party stakeholders to design and implement B2B apparel sales solution using jQuery, Html, CSS, and SQL which saved hundreds of hours of processing time
- Worked across departments to automate repetitive tasks in C#, Python, and MS Excel to save time on unnecessary monotonous duty
- Engaged with computer hardware, repaired, and built new systems for employees to use for optimal flow and productivity

## OTHER EXPERIENCE

### Warehouse Associate

May 2020 – Aug 2020

#### PCF Souvenirs

Markham, ON

- Quickly picked 200 items per hour for delivery
- Worked fast in a high-pressure environment
- Stocked, counted, and organized products in the warehouse

## RELEVANT PROJECTS

- Developed algorithmic trading solution utilizing machine learning, statistical analysis, and backtesting utilities in a team of three to profit from the financial markets (Python, NumPy, Pandas, TensorFlow)
- Statistical multidimensional outlier detection library for Python with an accuracy level of 95% (TensorFlow, Scikit-learn, NumPy)

## EDUCATION

### University of Waterloo, Ontario

Sept 2020 - Aug 2025

Candidate for Bachelor of Mathematics, Honours Statistics

University of Waterloo President's Scholarship recipient for an entree grade of 95% or higher

## INTERESTS

Chess, biking, hiking, Cross Country