

# Shallon Frances Pawlick-Potts

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## SKILLS

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Python, JavaScript, HTML, CSS | Django, React, Bootstrap | SQLite, PostgreSQL, MySQL  
ML, Neural Networks, AI | Statistics, Linear Algebra, Discrete Math | Git, VS Code

## PROJECTS

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**Web Application's for Harvard's Web Programming**, <https://github.com/shallondev/web50-projects> 📄  
**Commerce:** Full-stack e-commerce web application

- Built with Django, Python, SQLite, and HTML, enabling users to create listings, bid on auctions, and search by category.
- Implemented CSS/bootstrap styling to enhance the user experience, ensuring a visually appealing and intuitive interface.

**Mail:** Front-end interface for an email client built with JavaScript

- Integrated API calls and leveraged CSS styling to create a seamless and responsive email management experience for composing, reading, replying, and achieving emails.

**Wiki:** Online encyclopedia using Django.

- Article rendering, markdown to HTML conversion, search functionality, article creation, and editing. All with CSS styling to improve user experience and visual appeal.

**Search:** Front-end design using HTML and CSS

- Integrated features like "I'm Feeling Lucky" and "Advanced Search" to provide users with a familiar and user-friendly interface, enhancing navigation and usability.

### Projects for Harvard's Artificial Intelligence with Python

- Used graph search to relate data points in IMBds's database and adversarial search to create an unbeatable tic-tac-toe AI.
- Utilized knowledge engineering to solve propositional logic puzzles and build an AI that plays Minesweeper
- Incorporated probability theory to create web page ranking algorithms and find the likelihood a person will inherit a gene.

**Personal Portfolio**, <https://shallonfpawlickpotts.netlify.app/> 📄

## EDUCATION

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**University of Guelph**, Bachelor of Arts - Mathematics

Sep 2019 – Sep 2024 | Guelph, Ontario

- 3.3/4.0 GPA
- Honours Deans List: College of Engineering and Physical Sciences: Winter 2021 - winter 2022
- SafeWalk Volunteer (student organization for campus safety)

## RELEVANT COURSES

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**Web Programming with Python and JavaScript**, HarvardX

**Databases with SQL**, HarvardX

**Artificial Intelligence with Python**, HarvardX