

# Philip Maphey

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GitHub - <https://github.com/pamaph20>

## Education

**St. Lawrence University**, Canton, NY December 2024

Bachelor Of Science *Computer Science / Mathematics* GPA: 3.544/4.000

Dean's List - St. Lawrence University 2020-2022

**Watertown High School**, Watertown NY December 2020

Advanced Regents Diploma with Honors GPA: 3.745/4.000

Graduated with mastery in science

National Honor Society 2018-2020

## Projects

**WORDLE CLONE** - - <https://natureupnorth.github.io/nundle/> Jan 2022 - Present

- A playable nature themed Wordle clone with the Nature Up North team.
- Implementation Tools: JavaScript | CSS | HTML | API's | VsCode | Git | NodeJs.

**DIJKSTRA'S WEB APP** - <https://pamaph20.github.io/AlgorithmViewer> Aug 2022 - Nov 2022

- Web app allows for a customizable implementation Of Dijkstra's Algorithm.
- Allows user to place vertices and connect with weighted edges to run Dijkstra's Algorithm.
- Implementation Tools: JavaScript | CSS | HTML.

**TRAIN STATION DATABASE** Aug 2022 - Nov 2022

- Python interface connects and accesses information from train station database.
- Users have exclusive access to specified data dependent on user type (Staff, Passenger, Mechanic).
- With insertion or removal of information through the python interface, the SQL database is automatically updated along with a noSQL document database.
- Implementation Tools: Python | SQL | LucidChart | PostgreSQL.

## Relevant Skills & Abilities

Programming Languages and Tools: Java | Python | IntelliJ | PyCharm | GitHub | C | Assembly | PostgreSQL | DataGrip

Computer Science Concepts: Time Analysis | General Data Structures | Algorithm Analysis | Graph Theory | API's

Mathematics: Calculus | Trigonometry | Discrete Mathematics | Group Theory | Graph Theory

## Internships

**Nature Up North Computer Science Intern**, <https://www.natureupnorth.org> Jan 2022 - Present

- Mentored and worked with other interns to develop web applications that are used by the Nature Up North Team.
- Currently developing the Nundle web application that allows for a user to play our nature themed wordle clone

## Prior Work Experience

**Student Safety Officer**, *St. Lawrence University Student Safety Team*, Canton NY Sep 2022 - Present

- Provides St. Lawrence students with a student officer for patrol and transportation needs.

**Intern**, *Greenwich Property Management*, Greenwich CT Jun 2022 - Aug 2022

- Delivered property management and services to all customers throughout the Fairfield County region.

**Cook**, *Willow Creek CC*, Cottonwood Heights UT May 2021 - Aug 2021

- Provided members of the Willow Creek CC with food services within the main country club.

**Associate**, *Tjmaxx*, Watertown NY Aug 2018 - Aug 2020

- Provided customer service to all customers with the Watertown NY TJ Maxx.

## Clubs And Leadership

Varsity Esports | January 2021 - Current | St. Lawrence University, Canton NY

Singing Saints Acapella | August 2020 - Current | St. Lawrence University, Canton NY