

# Nathan Gilbert

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## OBJECTIVE

To obtain a remote internship/co-op position that will challenge me as well as expand my knowledge in the process of developing, designing, testing, and deploying polished software for August 2021 - December 2021.

## EDUCATION

**Rochester Institute of Technology, Rochester, NY — GPA: 3.48**

Bachelors in Software Engineering, Expected May 2024

Dean's List: Spring 2020, Fall 2020 semesters

Relevant Courses: Web Engineering, Intro to Software Engineering, Personal Software Engineering, (In process) Engineering Of SW Subsystems, (In Process) Process and Project Management.

## SKILLS

- **Programming Languages:** Python, JavaScript, Java, CSS, HTML, C
- **Technical Skills:** Git/GitHub, Git Bash, Vim, MS Office, Postman
- **Operating Systems:** Windows 10, iOS, Android

## PROJECTS

**Fullstack React website, School Project — November 2020**

Tools: JavaScript, Python, Flask, PostgreSQL, Git Bash, React, Reactstrap, Node.js

- Dynamic frontend using React components and bootstrap.
- RESTful API backend connected to a PostgreSQL database.
- The users can select and deselect courses storing what is selected in the database while dynamically showing what is selected in the table below.

**WebCheckers, Team School Project — August 2020 to November 2020**

Tools: Java, JUnit, Maven, Git Bash, IntelliJ

- Developed a working checkers web app by diving user stories between teammates.
- Split up the workload into UI, Model, App, Controller, Tests.
- Learned by applying object-oriented principles and designs such as GRASP and SOLID.
- Went through the OpenUP process through Agile sprints with code reviews.
- Designed statecharts, sequence diagrams, and domain models to provide in a documentation document for team members and the product owner.
- Handled POST and GET HTTP requests and responses to their appropriate callers.

**RESTful API, Personal Project — October 2020**

Tools: Python, Flask, PostgreSQL, Git Bash, Atom, Postman, Python unittest, pgAdmin4

- Utilized Python, Flask, and PostgreSQL to build a working API that follows REST.
- The interface allows users to sign in and create and modify items.
- Users and items can be created and modified based on CRUD functions.
- Postman and Python unit tests were used to test my API implementations and pgAdmin4 to test the database.

## CLUBS

**FIRST Robotics, Pal-Mac HS — January 2017 - March 2017**

- Worked as one of the head student programmers on the programming team.
- Used Java's object orientation to adapt the team's code from the previous year to function for the new robot design including tank control for movement and a ball launcher to score points at the competition.

## VOLUNTEERING

**Phonathon, Gananda HS — May 2019**

- Phoned businesses and people in the community to fund money for the district.

**Phonathon, Robotics club Pal-Mac HS — March 2017**

- Phoned businesses and people in the community to find sponsors for the robot.