

Maxwell Nemec

maxnemec.com | maxnemec@gmail.com | 518.428.5410 | Albany, NY

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

BS IN SOFTWARE ENGINEERING

Immersion: Psychology

Rochester, NY

Grad. May 2025

College of Engineering

GPA: 3.53

BURNT HILLS - BALLSTON LAKE HIGH SCHOOL

Grad. June 2020

Albany, NY

COURSEWORK

UNDERGRADUATE

Personal Software Engineering

Business Ethics

Software Process and Project

Management

Engineering Of Software Subsystems

Web Engineering

Analysis of Algorithms

Software Testing

Human Centered Reqs. and Design

Linear Algebra

Applied Statistics

Discrete Math for Computing

SKILLS

PROGRAMMING

Confident

Java • HTML

Object Oriented Programming

Spring • GraphQL • CSS • Git

Familiar:

React • SQL • JavaScript • Python

C • Kubernetes • AWS

GROUPS

HABITAT FOR HUMANITY CLUB PRESIDENT

May 2022 - Present

EXPERIENCE

NORTHWESTERN MUTUAL | DATA - SOFTWARE ENGINEER INTERN

June 2022 - August 2022 | Milwaukee, WI

- Operated in an Agile environment to optimize various processes related to the storage and retrieval of insurance policy data and personal information for 4.5m+ clients.
- Utilized Java with Spring to reduce the number of SQL queries to a MySQL database within 2 specific GraphQL requests by 50%.
- Leveraged Spring Aspect Oriented Programming techniques to abstract common logging processes to an annotation which greatly reduces code duplication.

NUTRIKIT | REACT, POSTGRESQL, FLASK, PYTHON, JAVASCRIPT, CSS, HEROKU

August 2021 - Present

- Developed a full stack application that tracks foods eaten and counts their macro nutrients toward the user's daily goal.
- Designed back end infrastructure in PostgreSQL and deployed a RESTful API with 8+ endpoints which enables create, read, update, and delete operations.
- Implemented a responsive and user-friendly front end using the React framework.
- Deployed Nutrikit to a live server using Heroku.

PROJECTS

WEB CHECKERS | JAVA, SPARK, HTML, AND CSS

August 2021 - December 2021

- Collaborated in an Agile environment with a team of 3 to create a multiplayer, web-based, checkers application.
- Engineered seamless multiplayer functionality and move validation to ensure a fair and fun game.
- Utilized extensive project management techniques to optimize team productivity.

MAXNEMEC.COM | FIGMA, CSS, JAVASCRIPT, HTML, NETLIFY

November 2021 - Present

- Designed my personal portfolio website from scratch using Figma.
- Created maxnemec.com from scratch using modern techniques to make the site accessible to 100% of users.
- Deployed maxnemec.com to live server using Netlify.

FINANCIAL DATA VISUALIZER | PYTHON, TD AMERITRADE API, PLOTLY, PYQT5, OAUTH2.0

September 2021 - November 2021

- Utilized the TDAmeritrade API to pull live asset prices as well as price history.
- Visualized requested price history using interactive candlestick charts powered by Plotly.
- All calls made are authorized using OAuth2.0.