

# Thomas F. Walewski

thomaswalewski5@gmail.com • (203) 913-8647 • Fairfield, CT / Boston, MA  
Github: [thomaswalewski](#) Website: [thomaswalewski.net](#) LinkedIn: [thomaswalewski](#)

---

## Education

### NORTHEASTERN UNIVERSITY

Boston, MA

Candidate for a BS in Computer Science, Mathematics Minor

August 2021 - May 2025

GPA: 3.950/4.00 overall, 4.00/4.00 in CS

Honors: Dean's Scholar, Dean's List Fall 2021, Spring 2022, Fall 2022, Spring 2023

Course-work: Software Development Practicum, Algorithms, Digital Design, Database Design, Computer Systems, Theory of Computation, Object Oriented Design, Matrix Methods for ML, Linear Algebra

---

## Technical Skills

**LANGUAGES:** Java, SQL, Python, HTML5, C, JavaScript, RISC-V, X86, ACL2s, SystemVerilog, Racket

**SOFTWARES:** VS CodSTe, IntelliJ, Docker, PyCharm, DataGrip, Eclipse

**LIBRARIES:** JUnit, ReactJs, ExpressJs, NodeJs, Pandas, Matplotlib, TensorFlow, Scikit-Learn, Keras

---

## Projects

**STUDY BUDDY** (JavaScript, MYSQL, ExpressJs, ReactJs, NodeJs)

February 2023 - April 2023

- Created software for entrepreneurial students in partnership with D'Amore-McKim School of Business
- Developed back-end using express and node, creating a REST API to send and receive user's information as well as products and companies.
- Implemented front end with React, setting up multiple pages where users only had access to their specific information, restricting users to specific pages based on their session information

**Brain Hemorrhage Classification** (Python, Java)

October 2022 - December 2022

- Developed several models to predict presence and type of brain hemorrhage from patient CT scans, with aim of cutting down diagnosis time and saving resources
- Used Softmax Logistic Regression, Neural Networks, and Convolution Neural Networks
- Achieved a testing accuracy of 69.99% across six different categories using a CNN

**Garden Tracking Database** (SQL, Python, Flask)

November 2022 - December 2022

- Created an application that allows users to track their personal gardens, plants, waterings, and harvests, and also provided functionality for companies to see product data
  - Designed SQL Database with 16 tables and 4000 rows of mock data, and integrated a REST API with Flask to provide users with functionality to view garden history as well as log new data
- 

## Work Experience

### NORTHEASTERN UNIVERSITY

Boston, MA

CS3500 (Object Oriented Design) Teaching Assistant

May 2023 - Present

- Hosted six hours a week of office hours to help students with issues on homework and concepts
  - Held two labs a week where students were walked through important programming concepts and designs
  - Assisted in grading 380 student assignments a week
- 

## Athletics

### SAUGATUCK ROWING CLUB

August 2016 - August 2021

Varsity Oarsman

- Went to Youth Nationals Twice, placing sixth in the Mens LW4+ and thirteenth in the Mens 8+