

Robert Dubel

Available May – December 2023

dubel.r@northeastern.edu | rdubel.com | [LinkedIn](#) | [GitHub](#) | (401) 787-2174

Education

Northeastern University, *Khoury College of Computer Science* Sep. 2020 – Present

Candidate for B.S. in Computer Science and Philosophy, Class of 2024

GPA: 3.6/4.0 | Relevant coursework: Object-Oriented Design, Algorithms, Logic & Computation, Discrete Math, CS Fundamentals I-II | Spring 2023: Software Eng., Database Design, Data Science, Human-Computer Interaction

University of Wisconsin-Madison, *Honors College of Letters & Sciences* Sep. 2019 – May 2020

GPA: 3.7/4.0 | Relevant coursework: Multivariable Calculus, Industrial-Systems Eng., Java I-II, Physics, Chemistry

Software Skills

Proficient: Java, Racket (Lisp) | Prior experience: Python, SQL, Pandas, AWS, JavaScript, React, GraphQL, CSS, Git

Experience

Full Stack Software Developer, Ray Analytics – Washington, DC (full-time remote) May 2022 – Present

- Co-developed full stack political discourse analysis tool using Next JS, Chakra UI, and Vis.js
- Developed serverless data pipeline with Python AWS API, Pandas, GraphQL, and 2 third-party API integrations
- Rebuilt paid-for Twitter analysis service internally using Python; reduced delivery time from 8 hrs. to 15 mins.
- Pitched product to 3 clients and investors for seed funding
- Built CI/CD pipeline with AWS CodePipeline, CodeDeploy, S3, PyTest, and GitHub actions

Software Engineer, Generate NU– Boston, MA Sep. 2022 – Present

- Researched context-specific sentiment analysis using Large Language Models (GPT3, Bloom) to classify emotions in journal entries for a student-led mental health startup
- Scraped mental health dataset (15,000 datum) using Reddit API to test model effectiveness
- Developed and integrated platform-agnostic database using Pandas with Bloom and Reddit APIs

Software Trainer, University of Wisconsin-Madison – Madison, WI Sep. 2019 – Jan. 2022

- Taught biweekly Java, Python, and Excel night classes to over 40 university faculty and 100+ students
- Tutored 13 students 1-on-1 in coding fundamentals (Python, Java) and Excel data analysis and visualization

President, NUHOC (NU Huskiers & Outing Club) – Boston, MA Jan. 2022 – Sep. 2022

- Orchestrated 4-day Acadia National Park trip for 100 Northeastern students including transportation, meals, gear, and 6-8 expeditions daily, finishing 8% under \$25,000 trip budget
- Built committee that ran over 50 daytrips to introduce inexperienced students to the New England outdoors
- Led a board of 18 students to run 28 overnight trips; oversaw weekly meetings and all club operations

Projects

Outdoors Club Trip Management System Dec. 2022 – Present

- Developing a full-stack application using React, Firebase, and Twilio to manage outdoors clubs' trip planning, signups, communication, and over 1,000 memberships

Easy Animator (Object-Oriented Design course) Apr. 2022 – May 2022

- Developed a Java application to convert text instructions into animations, SVGs, and text descriptions
- Built a GUI using JFrame to enable real-time editing of animations and full playback control

Volunteering: IDEA: NU Venture Accelerator (Technical Venture Analyst), Eagle Scout