Rob Dubel

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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, Fundamentals of CS (accelerated), AI Ethics (grad-level), Global Justice (law school)

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 | Prior experience: Python, Pandas, AWS, Graph QL, React/NextJS, Jupyter, Git, Tailwinds

Experience

Full Stack Software Developer, Plainspoken Digital – 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 Excel data analysis, coding fundamentals, and graphic design

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, all 8% under $25,000 trip budget
- Led a board of 18 students to run 28 overnight trips; oversaw weekly meetings and all club operations
- Created committee that ran over 50 daytrips to introduce students inexperienced in the outdoors to the club

Projects

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

Outdoors Club Trip Management System — Sep. 2022 – Present
- Leading a team of 3 students in developing a full-stack application to manage outdoors clubs' trip planning, signups, and communication using React, Firebase, and Twilio

Hobbies

Backcountry skiing, non-fiction reading

Volunteering

Ski Coach (Special Olympics RI), Eagle Scout