Roman Pisani

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EDUCATION

University of Massachusetts Amherst   **Amherst, Massachusetts, USA**

Bachelor of Science in Computer Science   *May 2026*

- GPA: 3.54
- Relevant Coursework: Physical Computing, Introduction to Computation, Data Structures and Algorithms (Java), Object Oriented Programming (Java, Python), Calculus I, II & III, Statistics, Probabilistic Reasoning, Ethics in CS, Psychology, Physics

WORK EXPERIENCE

Intuit Credit Karma   **Charlotte, North Carolina, USA**

Software Engineering Intern   *May 2024– August 2024*

- Engineered high-performance web applications using TypeScript, React, GraphQL, and GCP, reducing Member service calls by 3%+ and potentially saving 0.4% in vertical total expenses
- Implemented secure client solutions adhering to strict security protocols and best practices, preventing fraudsters from disputing transactions in high-risk scenarios
- Integrated analytics tools on Google Cloud Platform to track user engagement metrics (impressions, clicks), informing data-driven optimizations

LEADERSHIP EXPERIENCE

BUILD UMass   **Amherst, Massachusetts, USA**

Lead Technical Developer   September 2023 – Present

- Worked with a client at the UMass Amherst to design and develop a full-stack website dedicated to highlighting and promoting the trailblazing research conducted by Equitable Transitions to Adulthood
- Employed Next.js in conjunction with the Contentful API to establish a user-friendly content management system for the site

PROJECTS

Independent Projects

- AutoShorts: Highly customizable video generation, using Python, Flask and ffmpeg
- Notes App: MERN full-stack app, with complete and secure authentication built from scratch.
- Boogle Bot: NodeJS Discord chat bot connecting users with handpicked search results

Team Projects

- Dorm Buddy: IOT Arduino Dorm Hub informing roommates of a room's status, temperature and humidity, and security. Completed during Hack UMass XI. Built with C++, NextJS and NodeJS
- UMass Wellness Chatbot: AI Chatbot with the goal of providing UMass students with the proper guidance to get help they need. Built with an independent team using ReactJS and Python

SKILLS & INTERESTS

Skills:

- Languages: TypeScript, JavaScript, Python, C++, Scala
- Frameworks and Libraries: React, Next, Solid, Express, Tailwind, Mongoose, Bcrypt, RobotC, OpenAI, Postgres, GraphQL, Prisma, Cypress
- Tools: Jenkins, CircleCI, Docker, BigQuery, Git, GitHub, Contentful, MongoDB, Railway