

# Roman Pisani

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## EDUCATION

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**University of Massachusetts Amherst**

**Amherst, Massachusetts, USA**

*Bachelor of Science in Computer Science*

*December 2026*

- GPA: 3.54/4.0
- 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

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**Intuit Credit Karma**

**Charlotte, North Carolina, USA**

*Software Engineering Intern*

*May 2024 – August 2024*

- Engineered high-traffic user interfaces using TypeScript, React, GraphQL, and GCP, streamlining member experiences and contributing to a reduction in member service calls by up to 3%
- Prevented fraudsters from disputing transactions in high-risk scenarios by implementing secure client solutions adhering to strict security protocols and best practices
- Integrated analytics tools on Google Cloud Platform to track user engagement metrics (impressions, clicks), informing data-driven optimizations

## LEADERSHIP EXPERIENCE

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**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

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### Independent Projects

- AutoShorts: Versatile AI video generation, using Python, Flask and ffmpeg. Implements most standard modes of GenAI (NLP, Diffusion, ASR, TTS) to create fully automated, engaging short-form content.
- 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

## TECHNICAL SKILLS

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- 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