

Andrei Roman

OBJECTIVE

Results-driven, dedicated Computer Science and Mathematics double-major with over 5 years of adept software development experience and a robust quantitative skill set, seeking a challenging full-time development role.

WORK EXPERIENCE

Hikma Pharmaceutical - Software Development Intern *June - Aug 2021*

- Debugged and modernized legacy Visual Basic codebase, enhancing pharmaceutical batch documentation on factory floor.
- Implemented improvements following specifications, meticulously documenting changes for legal compliance.

Riffle Square Cut - Founder, Lead Game Developer *Oct 2019 – Present*

- Founded and managed LLC for game development, leading to successful launch of "Hidden Marks" game.
- Designed and developed game, mastering Adobe Illustrator, Lua, Premier and Blender.
- Strategically marketed game, leveraging networking within board game communities, securing manufacturers globally.
- Conducted thorough testing and implemented improvements based on feedback from alpha and beta testers.
- Collaborated effectively with co-founder in game development, leading to sold-out initial runs (350 copies) and retail placement.

Micro Center - General Salesman *Dec 2019 – Sep 2021*

- Provided tailored solutions for customer IT needs, excelling in sales and service for networking equipment and peripherals.
- Maintained exceptional customer satisfaction rating, showcasing strong interpersonal skills.

Freelance (Fiverr) - Graphic Designer *July 2018 - June 2019*

- Delivered impactful logo designs for small businesses, earning a stellar 5-star rating.

NOTABLE PROJECTS

replit.com/@urbandrei and github.com/urbandrei

- Collaborated in a 7-member team for discord chatbot and React-based website development, specializing in server-side and backend coding. Leveraged JavaScript with SQLite for the chatbot and React JavaScript for the website, featuring a travel tool for itinerary creation.
- Contributed to Ruby on Rails backend development for a game, calculator, web scraper, bio page in a 3-member team. Designed a web scraper targeting OSU job postings.
- Independently coded algorithms including Adaboost, Multilayer Perceptrons, and Convolutional Neural Networks from scratch with Python and NumPy, showcasing advanced data manipulation skills.
- Collaborated with a team of 3 to design and implement an SQLite database for a fictional dentistry clinic, overseeing schema design, commands, and documentation.
- Created a SQLite DB-powered JavaScript chatbot for a Twitch stream, with 30+ commands used by 100+ monthly users. Implemented rigorous security measures against SQL query attacks.

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EDUCATION

Ohio State University

- Bachelor of Science in Computer Science: Artificial Intelligence *May 2023*
- Bachelor of Science in Mathematics: Abstract Mathematics *May 2023*

Honors

- Ohio State University Maximus Scholar *2018 - 2023*
- Rasor-Bareis-Gordon OSU Mathematics Competition - Honorable Mention *2018*

QUALIFICATIONS

Computer and Technical

- AutoCAD, MATLAB in engineering coursework
- Experience with JavaScript, Python, Java, C#, C/C++, Ruby on Rails, React and Lua from projects and coursework
- Experience with Visual Basic from internship
- Experience with SQL commands and database setup/management from coursework
- Extensive use of the Office Suite and Adobe Suite (Illustrator, Premiere, Photoshop)

Foreign Languages

- Conversational Romanian
- Basic French