Nathan Monette

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EDUCATION

University of California, Irvine (3.6 GPA) — **Irvine, CA**
Candidate for B.S. in Computer Science, Mathematics Minor — June 2025
- Specialization in Intelligent Systems
- Coursework in Machine Learning, Algorithms and Data Structures, and Linear Algebra

WORK EXPERIENCE

University of California, Irvine — **Irvine, CA**
Undergraduate Researcher — April 2023-Current
- Performed research in Algorithmic Game Theory and Multi-Agent Reinforcement Learning under Professor Ioannis Panageas
- Corresponded with professor supervision as well as other students to self-educate on a graduate-level topic

Social Media/E-Commerce Startup — **Orange County, CA**
Full-Stack Developer — April 2023-Current
- Collaborated with business founders to transform an idea into a prototype application
- Designed a React Native frontend to deploy UI/UX design
- Applied MySQL, FastAPI, and SQLModel to create a backend database, and optimized queries through indexing for future growth

PROJECTS

ZotScheduler (2nd Place at Hack at UCI) — **Irvine, CA**
Developer — February 2023
- Cooperated with 2 teammates to construct a working app in less than 36 hours with
- Incorporated a React.js/Chakra UI frontend with a Python backend that was used for web scraping and data modification
- Utilized ensemble tree regression models (XGBoost), and search algorithms to recommend schedules to students based on a list of potential classes, with professor-rating-regressions having an accuracy of 70%

FIFADraft — **Irvine, CA**
Lead Developer — May 2023-June 2023
- Implemented a React.js web app that assists in professional-sports-styled "drafts" and tournament organization for custom-teams FIFA (video game) competitions
- Employed the Firebase realtime database system and to create lobbies, allowing for up to 100 users to connect to the web app and draft together synchronously

SKILLS & INTERESTS

Skills: TensorFlow, scikit-learn, Python, C++, React/React Native, FIrebase, SQL, FastAPI
Interests: I am interested in artificial intelligence and machine learning, as well as various aspects of Full-Stack development. Additionally, I am a lifelong water polo player with leadership experience in athletics.