Nicholas Vinokour

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EDUCATION

University of Michigan, College of Literature, Sciences, and the Arts   **August 2021 – May 2025**
BS Computer Science
Relevant Courses: Data Structures and Algorithms, Foundations of Computer Science, Web Systems, Introduction to Computer Organization, Programs Information and People, Discrete Mathematics, Calculus II
Languages: Typescript, Python, C++, JavaScript, HTML, CSS, SQL, C, Java
Developer Tools/Frameworks: React.js, Node.js, Next.js, Flask, Jupyter Notebook
Certificates: AZ-900 Microsoft Azure Fundamentals, Coursera Introduction to Standard Query Language (SQL)

EXPERIENCE

Honeywell   **May 2023 – Present**
Software Engineer Intern
- Working under Honeywell Connected Enterprises (HCE) with Logistics and Warehouses, developing applications and APIs for the Operational Intelligence team

Soul   **October 2022 – Present**
Software Engineer
- Awarded over $60,000 in hackathon winnings for email identity solutions and identity protocol applications, created pitch including deck design, strategy, and presentation leading team to second place at Solana Grizzlython
- Revamped Soul's web content, optimized organizational workflow, and implemented internal tools, resulting in increased backend efficiency for product that allows users to prove their identity to any application or platform through blockchain technology. Presented at Solana's Hacker House event in New York City to 300+ attendees
- Spearheaded investor outreach through facilitating connections with Venture Capital firms, selected to participate at the Midwest Venture Conference at the Ross School of Business, presented and met with over 15 firms

Major League Baseball   **June 2022 - August 2022**
Creative Studio Intern
- Built web application to streamline process for reviewing MLB accounts tweets for live game content, leveraged React.js for frontend, Python for backend, wrote calls to RESTful API and Twitter API, increased tracking efficiency by over 80%
- Tracked performance of over 3,500 social media posts across Instagram, Facebook, and Twitter for domestic and international MLB accounts, inputting data into CSV file for Creative Studio team for future use
- Executed a rigorous validation process for information presented in commercials while creating and maintaining sophisticated scheduling systems to optimize workflow efficiency, providing support to the Creative Studio team

PROJECTS

Kevin - The All-in-One AI Marketing Tool
- Engineered AI-powered system that decodes user-provided business objectives and product descriptions, discovers potential markets, pinpoints contact points, and sends personalized marketing emails automatically
- Crafted Typescript web scraping scripts, resulting in 4 unique API endpoints, expanding data accessibility
- Leveraged the GPT-3.5 Turbo model from the OpenAI API, guaranteeing a refined, intelligent, and adaptable solution for our automated marketing initiatives.

Predicting Stock Prices
- Conceived machine learning algorithm for accurate stock prediction, utilized openpyxl library for superior data manipulation and management, organized and analyzed data using renowned SciPy and NumPy libraries
- Facilitated the accurate weight assignment to the prediction dataset and enabling precise computation of the time required to achieve specific price milestones

Venture Outreach Automator
- Developed utility script that leverages the power of the OpenAI and Mailgun APIs to streamline the process of researching and connecting with VC firms for Soul. Developed scripts and front-end with React.js
- Devised a system for manual or CSV-based email input, ensuring customized communication with each company. Utilized web scraping to gather company information, significantly enhancing Soul's networking via 100+ personalized emails to various VC firms.