

Nicholas Szczepura

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- SUMMARY:**
- Studying Computer Science at the University of Massachusetts Amherst
 - Interested in Data Science and Web Development

EDUCATION: **Bachelor of Science in Computer Science**
Expected Graduation May 2021
University of Massachusetts, Amherst, MA

Relevant Coursework:

- Artificial Intelligence
- Natural Language Processing
- Data Management
- Web Programming
- Mathematical Statistics with Applications

- TECHNICAL SKILLS:**
- **Languages:** Python, Java, C, C++, JavaScript, HTML, CSS
 - **Database:** PostgreSQL, MongoDB
 - **Operating Systems:** Windows, Linux, UNIX

- WORK EXPERIENCE:**
- **Freelance (2019-Present)**
 - Building modern, dynamic websites for local businesses
 - Web scraping, automating the gathering and storing of information

- PROJECTS:**
- **Web Development**
 - Co-developed a dynamic, secure website from scratch. The site allowed users to generate stats about their investment portfolio. Made using Javascript(Node.js), HTML/CSS, and PostgreSQL
 - **Investment Apps**
 - Researched and programmed automated trading strategies. Used exchange WebSocket APIs to gather data and create orders.
 - Utilized sci-kit learn and pytorch ML libraries to try and predict price movement
 - Desktop/Web applications for custom orders types and improved order control
 - **Systems Programming in C and C++**
 - Multi-threaded applications
 - Embedded systems (self-balancing robot, motion control)
 - Programming in a Linux virtual environment
 - Operating system components such as shell and cpu scheduler.

- SITES:**
- <https://github.com/nszczepura/>
 - <https://nszczepura.github.io/>