

Alexander Heifler

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EDUCATION

Stevens Institute of Technology Hoboken, NJ

Master of Science in Machine Learning

Expected Dec 2022

Bachelor of Science in Computer Science

Expected May 2022

Coursework: Web design, Data structures, Discrete mathematics, Algorithms, Automata and computation, Probability and statistics, Writing and communications, Systems programming, Software development process, Programming language principles, Concurrent programming, Database management, Text mining and information retrieval, Machine learning, Computer vision, Introduction to robotics, Operating systems

SKILLS

Programming Java(Expert), Javascript(Proficient), Python(Expert), HTML(Intermediate), C++(Expert), C(Expert), OcamL(Basic), SQL(Proficient), Erlang(Intermediate), Promela(Basic), MATLAB(Expert), Kotlin(Expert)

Software Adobe Photoshop, Android Studio, Elasticsearch, Git, JSpin, LaTeX, Linux, MS Office, RStudio, Wordpress

WORK EXPERIENCE

General Motors Global Product Division Warren, MI

Project Intern

June 21-Aug 21

- Started the Dynamic Asset Delivery Project for the MyBrand App. Working in Android studio I created updates to the app's back end that allowed changes to be made to text and images within the user interface online more frequently at a lower cost.
- Worked with marketing executives and programming team leaders to improve customer experience.

Princeton Internet Marketing Princeton, NJ

Intern

Dec 20-Feb 21

- Created local pages, drop down menus and review options for the UNITS and MassageLuxe company websites in addition to handling 404 redirects using Wordpress

Office of Disability Services Hoboken, NJ

Note-Taker

Sept 18-Dec 18

- Documented and analyzed class lectures for Mechanics, Introduction to web design and project development, Introduction to computer science, Differential calculus and Integral calculus.
- Met with students to assist in understanding the course material and taught problem solving skills for relevant subjects.

PROJECTS

Chessbot Detroit, MI

Project Owner

July 20-Present

- Independently programmed a robot that interacts with an online chess website to play against users in real time.

Cruise Control Software Hoboken, NJ

Software Developer

Mar 20-May 20

- Worked with a team to develop an interface that simulates cruise control within an embedded system alongside an executive summary, requirements document, architecture design and testing information.

LEADERSHIP EXPERIENCE

Stevens Institute of Technology Chess Club Hoboken, NJ

Vice President

Nov 19-Mar 21

- Working alongside peers in organizing events, teaching strategies to new members and managing tournaments.

HSCTF Cybersecurity Competition West Windsor, NJ

Hackathon Administrator

Sept 15-June 17

- Created cryptography, reverse engineering, and reconnaissance problems to be solved in an international online hacking competition.
- Tested problems constructed for the hackathon and rated difficulty level on a one-to-five scale.

Activities

Stevens Archery Club, Volunteer at St. Mathews Soup Kitchen, Painting, Sailing and Game Design