

Nathaniel Clark Besthoff

linkedin.com/in/nate-besthoff | besthoff@usc.edu | (978) 505-4685

EDUCATION

AUGUST 2024 - MAY 2028 (Expected)

University of Southern California, Los Angeles, CA – Iovine and Young Academy

- Bachelor of Science in Arts, Technology, and the Business of Innovation - GPA: 3.69
- Minor in Artificial Intelligence Applications at the Viterbi School of Engineering
- Notable Coursework: Purpose Driven Innovation Incubator, Problem Solving for Organizations

AUGUST 2022 - JUNE 2024

Concord-Carlisle Regional High School (CCHS), Concord, MA – traditional curriculum

- GPA: 4.27 weighted | SAT: 1500

AUGUST 2020 - JUNE 2022

NuVu Innovation School, Cambridge, MA – project-based curriculum

- Developed over two dozen new technology products from ideation through working prototype

RELEVANT EXPERIENCE

HaptiQ - *Co-Founder and Chief Product Officer*

MARCH 2025 - PRESENT

-HaptiQ is a startup that seeks to develop a haptic wearable based on medical studies to assist individuals with walking impairments in avoiding freezing via simple external cues.

-We are funded by the USC OORI for \$15,000 and recently built an MVP for initial testing.

Skaled Revenue Performance Agency - *Intern*

JULY 2025 - AUGUST 2025

-Designed a new service offering and developed a project-based curriculum that teaches and certifies sales development representatives in using AI tools like workflows and CustomGPTs.

-Created an AI workflow with Make that automates persona and company research as well as email outreach, complete with Slack notifications, research storage in Notion, and error handling.

LoopBack Analytics - *Intern*

JUNE 2025 - JULY 2025

- Scraped public data sources to autonomously generate thousands of qualified leads using the ChatGPT API to analyze them and the ZoomInfo API to fetch the most up-to-date contact info.

South Bridge Boat House - Concord, MA - *Co-Manager*

JUNE 2020 - AUGUST 2024 (Summers)

Division 1 FIRST Robotics Team 3205 - Concord-Carlisle, MA - *Programmer*

JANUARY 2022 - MAY 2024

SKILLS

-**Applied AI:** Developed and optimized custom Scikit-Learn AI models and cleaned CSV data from SQL queries. Utilized AI APIs to develop innovative solutions with the ChatGPT API, Meta's Ollama API, GitHub reimplementations of OpenAI's Whisper API to support real-time audio transcription, and more.

-**Python Programming:** Wrote image processing scripts using the OpenCV and Pillow libraries. Scraped data from websites like Allrecipes using Scrapy and BeautifulSoup libraries to compile my own database.

-**Project Management:** Project-based leadership experience across dozens of prototype initiatives.

Assembled the optimal teams and organized us to iterate quickly and deliver with quality before deadlines.

-**Rapid Prototyping:** Used various 3D printers and laser cutters to create dozens of rapid prototypes and iterations, in two week sprints. Soldered circuits to connect Arduino boards, servos, flex sensors, LEDs, etc.

-**Website Design:** Designed custom websites in Next.js and React, styled them with Tailwind CSS, animated them with Framer Motion, and built them in TypeScript.

-**Arduino:** Programmed and assembled numerous working prototypes with Arduino, most notably a robotic hand, a cereal dispenser, a DIY pinball machine, and an autonomous, maze-navigating mouse.

-**3D Modeling:** Produced renders and 3D animations in Blender, feature-based models and assemblies in Solidworks, procedural graphics in Houdini, and 2D and 3D models in Rhino.

AWARDS

USC Iovine and Young Dean's List Recipient (2 semesters running)

2025 USC OORI Student Empowerment Award Entrepreneurship Prize Winner

Spirit Award Winner for Concord-Carlisle High School Men's Soccer 2024 State Championship Team