



ALEK N. TURKMEN

aleknturkmen@gmail.com | (516) 406-0324



SUMMARY

Alek is extremely passionate about startups. He is currently a senior at The Cooper Union studying engineering. He is technical, with strong experience in product development, consumer software, full-stack, design, hacking, and AI/data.

PROFESSIONAL EXPERIENCE

Founder

Stealth Startup

August 2024 - Present, New York, NY

- Building a service platform for founder led content marketing. Currently stealth, bootstrapped, accelerator/VC next

Founder

VY Luxury Eyewear

October 2023 - July 2024, New York, NY

- Consumer facing hyper personalized 3D printing eyewear startup. Solo experience. 0 to 1. Pivoted twice
- Built out online store for customers to create, design, & purchase eyewear through autonomous product pipeline
- Completed iOS app + web store + back-end parameterizing CAD models

Manufacturing Engineer

Northrop Grumman

May 2023 - August 2023, Baltimore, MD

- 93% time/cost reduction for mission-critical microprocessor manufacturing computer vision AI model
- Integrated 3D automated optical inspection process with database using Python and SQL

IoT Engineer

Loisaida Inc.

September 2022 - May 2023, New York, NY

- Created custom 3D printed enclosure for portable multi-sensor device to analyze residential building environments

HVAC Engineer

Jaros, Baum & Bolles

June 2022 - August 2022, New York, NY

- Developed & managed 5 tenant fit-out projects, including 540 Madison and One Bryant Park, utilizing Revit (BIM)

PROJECTS

Youtube Channel (Personal Entrepreneurship)

September 2024 - Present

- Content on high-level entrepreneurship, startups, self-help, engineering and technology

Internship Coaching Service (Personal Entrepreneurship)

September 2024 - Present

- Created a paid service that connects my fellow Cooper Union students with top tier paid internship opportunities
- By leveraging psychology of college students, generated viral networking effect through organic marketing strategy

Queens Sculpture

January 2024 - Present

- Conceptualized & prototyped 6 ft. x 22 ft. NYC park sculpture; installing/publicly available early 2025

Hacking Cooper Union (Software)

March 2024 - April 2024

- Reverse-engineered API protocol for schools alumni database, data mined servers to compile alumni list since 1941

MUDBUG (Startup - 5th member)

August 2022 - May 2023

- Data implemented precision agriculture techniques using IoT sensing, predictive environmental data analysis

Drones Team (Product - Software)

January 2023 - April 2023

- Palm-sized nano-quadcopter swarm drones using high-level systems engineering and real-time feedback control

Restoring 1989 BMW E32

May 2022 - June 2022

- Hands-on automotive hobbying, full electronics restoration, e-mech seat restoration, eco-friendly refrigerant retrofit

EDUCATION

The Cooper Union, School of Engineering

New York, NY

BEng, Mechanical Engineering, Economics Minor

August 2021 - May 2025

- Half Tuition Scholarship (4 yrs), Cooper Union Merit Grant (4 yrs), ACE Scholarship (4 yrs), ACEC Scholarship

SKILLS & INTERESTS

Skills: HTML/CSS/JS, iOS/Swift, Python, Autodesk, SOLIDWORKS, NX/Siemens, Adobe, Sales, Resourceful, Scrappy

Interested Verticals: Tech, Deeptech, Sales, Fintech, AI, Data, SaaS, Enterprise, B2B, Client Acquisition, Hacking