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James Redington

Education

Columbia University, New York (2023 - 2024)

- **Machine Learning & AI BootCamp**

Virginia Tech, Blacksburg, VA (Graduated in 2022)

- **B.S. in Aerospace and Ocean Engineering**
- Minors in **Naval Engineering** and **Entrepreneurship–New Venture Growth**

Experience

Equity Trader • Chimera Securities • New York, NY (September 2022 – July 2023)

- Analyzed market data and trends to execute trades daily adapting to dynamic market conditions
- Actively managed \$300k portfolio while developing and refining risk management practices
- Achieved highest performance ranking in my training class

Operations Engineer • ReditFarms • Westfield, NJ (May 2021 – Present)

- Designed novel patent-pending hydroponic growing systems for leafy greens, herbs, tomatoes, and microgreens to maximize spatial efficiency, maximize product yield, and reduce labor costs
- Developed budgets, created business plans and pitch decks for potential investors in preparation for seed investment round, and managed summer interns

Mechanical and Electrical Engineering Intern • Viking Yacht Company •

Mullica Township, NJ (June – August 2019)

- First year intern in the mechanical department installing propulsion, mechanical, and electrical systems on sportfishing yachts under new construction
- Invited to the Valhalla Boatworks team responsible for the construction of the first line of center console boats

Engineering Intern • REDCOM Design & Construction • Westfield, NJ (July – August 2018)

- Worked with licensed civil engineers and learned AutoCAD and SketchUp
- Created schematic drawings and concept designs of auto dealerships and site layout plans in AutoCAD

Crew Member • Carolyn Ann III • Barnegat Light, NJ (June – August 2016 & July – August 2017)

- Worked as first mate aboard a public charter fishing boat assisting customers by supplying bait, netting and filleting fish, cleaning the boat, and carrying out required maintenance

Kitchen Worker • Harvey Cedars Shellfish Co. • Harvey Cedars, NJ (June – August 2016)

- Learned the workings of an industrial kitchen and how to effectively multitask and manage several processes at once

Organizations

Promoting Electric Propulsion at Virginia Tech (PEP) (Fall 2019 – Spring 2022)

- **Co-founder** and **Vice President** (Spring 2020 – Summer 2021)
- **Naval Architecture Team Lead** (Fall 2019 – Summer 2020)
- Student led design team that participates in a biennial collegiate autonomous electric boat race competition organized by the American Society of Naval Engineers (ASNE)

SailBOT at Virginia Tech (Fall 2019 – Spring 2022)

- Student led design team that annually designs and builds an autonomous sailboat to be raced against collegiate teams each summer
- Responsible for hull and deck design and fabrication of molds and fiberglass layups

Entrepreneurship Club (Fall 2019 – Spring 2022)

- Student organization that meets twice monthly to discuss entrepreneurial ventures, share experiences and advice, as well as host pitch events

Theta Chi Fraternity (Fall 2018 – Spring 2022)

- **Fundraising Chairman** (Fall 2019 – Fall 2020)
- Top 5 nationally recognized fundraising chapter of 2019/2020 school year
- Managed alumni networks, organizing alumni events, and coordinating philanthropic fundraisers

Hyperloop at Virginia Tech (Fall 2019 – Fall 2020)

- Student-led design team that annually competes in the internationally recognized Hyperloop Pod Competition sponsored by SpaceX
- Partially responsible for design and construction of the carbon fiber aero shell casing

Virginia Tech Club Ski Team (Fall 2017 – Fall 2019)

- Competed in the U.S. Collegiate Ski and Snowboard Association (USCSA) Southeastern Division

References available upon request

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Skills

- AI and Machine Learning
- Equity and Options trading
- Python (4 years)
- 3D CAD modeling (Rhino, SolidWorks, AutoCAD)
- Numerical Computing Programs (MATLAB, Mathematica, Mathcad)

Certifications

- Securities Industry Essentials (SIE) Exam
- Series 57 Exam

Traits

- Problem Solving
- Intensely Curious
- Quick Learner
- Coachable