Maxx Yung

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EDUCATION

- **University of Pennsylvania (3.80 GPA)** — 08/2023 - 05/2027
  - BSE in Materials Engineering, Minor in Computer Science and Entrepreneurship.
  - Clubs: Wharton Venture Labs, Wharton Venture Capital and Private Equity Club,
    Penn Startup Accelerator, Penn Assistive Devices and Prosthetic Technologies.
- **Stanford School of Medicine (3.90 GPA)**: Neuroscience and Neurosurgery 2023 Cohort — 07/2023 - 08/2023

EXPERIENCES

Nanoneuro Systems — Philadelphia, PA
Founder & CEO — *10/2023 - Present*
- Leading a deeptech startup to create AI chips using human brain cells that is 10000x energy efficient.
- Secured collaboration with UPenn's Singh Center for Nanotechnology and $1,000,000 in grant funding.
- Advised by 3 UPenn professors specializing in BioE, CS, and EE & a Wharton entrepreneurship professor.
- Managed a team of 3 student interns and 3 co-founders, driving research and manufacturing initiatives.

S&L Aerospace Metals — Flushing, NY
Materials Engineer Intern — *01/2024 - Present*
- Led 3 aerospace contracts for landing gears and hydraulic systems for Lockheed, Boeing, and Sikorsky.
- Worked with financial, engineering, and manufacturing teams to ensure timely and accurate delivery of parts.
- Assisted in operational efficiency for the manufacturing of drag beams for Sikorsky Black Hawk models.

Corder Neuroengineering Lab at Penn Medicine — Philadelphia, PA
Undergraduate Researcher — *06/2023 - Present*
- Surgically removed 20+ mice brains, mounted brain tissue, and imaged slices to research pain networks.
- Automated and quantified 1000+ markers of pain expression in HaloAI and ImageJ with Python scripting.
- Coded a cell segmentation analysis pipeline with Tensorflow, saving $20,000 a year of software subscriptions.
- Co-developed A-SOiD, the 1st standardized mice-behavior analytics pipeline, with UPenn, Stanford & CMU labs.

Raymond James Financial — New York City, NY
Raymond James Electronic Trading (RJET) Extern — *12/2023 - 01/2024*
- Engaged in team discussions to analyze government action on M&A activities to revise algo strategies.
- Studied Jet Blue & Spirit Airlines, Nippon Steel & U.S. Steel, and Microsoft & Activision mergers.
- Researched NYSE, NASDAQ, and IEX server colocation strategies used in HFT algos by quant firms.

Fiveable — Roslyn, NY
Content Writer → Summer AI Content Engineer Intern — *05/2023 - 09/2023*
- Designed an AI workflow for the largest US EdTech company, accelerating content output by 800%.
- Onboarded and co-directed a cohort of 100 summer content creators with the AI content workflow.
- Published over 50+ new long-form articles and 1000+ mock AP questions on 2023-2024 AP subjects.

Flushing Central Lion's Club — Flushing, NY
Volunteer → Head of Graphic Design & Finance — *06/2021 - 06/2023*
- Designed infographics viewed by thousands across Flushing, increasing event participation by 20%.
- Allocated budgets for 20+ humanitarian projects in New York City, leading to a 15% cost reduction.

Zhu Neuroscience Lab at SUNY Old Westbury — Old Westbury, NY
High School Researcher → Lab Technician — *06/2019 - 03/2023*
- Conducted a 5-year study discovering a direct biological link between opioids, diabetes, and Alzheimer's.
- Automated a neuronal analysis protocol with Python, saving 200+ hours of manual quantification labwide.
- Imeplemented molecular docking and simulation tools for in-silico drug discovery for the lab using Python.

HONORS & AWARDS

- International Regeneron STS Semi-Finalist
- 2023 US AAN Neuroscientist Winner
- Stanford Neuroscience Conference Speaker
- 2x MIT Research Technology Conference Speaker
- Presidential Volunteer Service Award Gold
- NextChapter Startup Scholarship & Fellowship Winner
- Columbia Healthcare Hackathon 3rd Place Winner
- Princeton x Columbia Top 15 Northeast Student Startup

SKILLS & INTERESTS

- **Skills:** Python (Scipy, Numpy, Scikit-learn, Matplotlib, Tensorflow), Solidworks, SQL, Figma (Design), Advanced Excel.
- **Interests:** Stock Investing, Space & Biotech Startups, Reading, Badminton, Coral Reef Conservation, Rock Climbing.