ROSIE ROTHSCHILD

4463 Woodfield Blvd, Boca Raton, FL 33434 * 561.870.2824 * rosie.rothschild@yale.com

Education

2019 – present **YALE UNIVERSITY** **New Haven, CT**
Candidate for B. S. in Electrical Engineering and Computer Science, December 2023 (GPA: 3.89 / 4.0)
- **Coursework to Date:** Physics 200 & 201 (Mechanics, Electricity, Magnetism, Quantum Mechanics, Special Relativity), Multivariable Calculus for Engineers, Intro. to Electronics, Intro. to Computer Engineering

2015 – 2019 **PINE CREST SCHOOL** **Ft. Lauderdale, FL**
High School Diploma, May 2019 (GPA: 5.11 / 4.0)
- **Leadership:** Student council president; varsity soccer captain; varsity lacrosse captain; admissions ambassador
- **Awards and Honors:** Salutatorian, National Merit Finalist, Cum Laude Society, Yale Book Award (for character and intellectual promise), Student Athlete Award, Student Leadership Award, AP National Scholar, Mae McMillan Award (for the graduating senior who most embodies education, character, and leadership)

Experience

2020 – present **ROCKETANSKY** (a 10-person, pre-seed cybersecurity startup) **Atlanta, GA**
Software Engineering Intern
- Co-developing passwordless authentication and automated security analytics platform, working with team of ~10
- Developing AWS lambda functions in Python, creating API endpoints, managing data with AWS S3 and dynamoDB, and maintaining other back-end functionality to launch prototype

2020 – present **XOOGLER.CO** **San Francisco, CA**
Xoogler School Student, Fall Semester
- Chosen as one of ~50 students from 1,400+ to explore the tech industry and build leadership and networking skills
- Co-founded group of 20 analyzing ethical concerns in use of technology and social media and potential remedies

2020 – present **YALE UNIVERSITY PHYSICS DEPARTMENT** **New Haven, CT**
Core-Based Peer Tutor for Physics 200
- Selected based on professorial recommendation to run office hours and discussion sections for ~6 hours weekly

2017 – 2019 **FLORIDA ATLANTIC UNIVERSITY MATH DEPARTMENT** **Boca Raton, FL**
Independent Student Researcher
- Performed independent study under mentorship of Dr. Rainer Steinwandt, CCIS Director & Math Dept. Chair
- Compared prime number algorithms to find fastest and most practical cryptography solution for data security
- Presented findings at Univ. of Florida's 56th Junior Science, Engineering, and Humanities Symposium (2019)

Leadership

2019 – present **YALE COLLEGE COUNCIL** **New Haven, CT**
Deputy Academics Director YCC Exec Board; Elected Senator (2020-2021)
- Selected by YCC president to lead team of 15 senators creating Yale College academic policies
- Elected as 1 of 2 senators to represent ~400 students in Davenport College and advocate for policy changes at Yale
Elected Class Representative; Class Council Treasurer; **Events Committee Member (2019-2020)**
- Collaborated with team of ~20 to organize and execute six events building class cohesion and generating $22,000
- Managed $18,000 budget, tracked internal and external expenses, and reported to Yale College Business Office
- Selected to join 10-person events team; planned ~15 college-wide events, including Harvard-Yale game party

2020 – present **CODE HAVEN** **New Haven, CT**
Computer Science Instructor & Mentor
- Provided weekly coding instruction (with 5 other mentors) to a public school class of ~20 seventh grade students
- Taught students CS fundamentals, working one-on-one to create personalized applications with MIT App Inventor

2020 – present **YALE COMPUTER SOCIETY** **New Haven, CT**
Workshop Team Lead & Board Member
- Lead team of ~5 to create CS workshops in topics such as intro. Python, technical interviewing, and data science
- Co-manage club of ~60, attending weekly board meetings, generating event ideas, and interviewing new members

2019 – 2020 **YALE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERING** **New Haven, CT**
Team Member
- Worked with team of 7 to create materials, wiring, and programming plan for an array of Arduino-controlled LED strips enabling students to upload images for display on a JumboTron board

Technical Skills & Additional Interests

- **Programming:** Java, Python, HTML, CSS, JavaScript, git; AWS (Lambda, DynamoDB, S3, etc); flask, django
- **Software:** PowerPoint, Excel, Photoshop, InDesign / **Languages:** Conversant in Spanish
- **Interests:** Soccer, sustainable energy, public-key encryption, AI, ceramics, politics, and running