

## ROSIE ROTHSCHILD

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### Education

2019 – present	<b>YALE UNIVERSITY</b> <b>Candidate for B. S. in Electrical Engineering and Computer Science, May 2024 (GPA: 3.89 / 4.0)</b> <ul style="list-style-type: none"><li>• <b>Coursework to Date:</b> Physics 200 &amp; 201 (Mechanics, Electricity, Magnetism, Quantum Mechanics, Special Relativity), Multivariable Calculus for Engineers, Intro. to Electronics, Intro. to Computer Engineering</li><li>• <b>Upcoming Coursework</b> (complete by summer 2022): Intro. to CS (Racket); Data Structures and Programming Techniques (C); Linear Algebra; Communications, Computation, and Control; Circuits and System Design</li></ul>	<b>New Haven, CT</b>
2015 – 2019	<b>PINE CREST SCHOOL</b> <b>High School Diploma, May 2019 (GPA: 5.11 / 4.0)</b> <ul style="list-style-type: none"><li>• <b>Leadership:</b> Student council president; varsity soccer captain; varsity lacrosse captain; admissions ambassador</li><li>• <b>Awards and Honors:</b> 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)</li></ul>	<b>Ft. Lauderdale, FL</b>

### Experience

2021 winter	<b>PAGERDUTY</b> (post-IPO SaaS incident response company) <b>Software Engineering Intern, Product Security Team; winter of gap year</b> <ul style="list-style-type: none"><li>• Selected to join team of 15 engineers implementing product security enhancements in 3-month full-time role</li><li>• Supported “proactive maintenance epic” for Vault secrets management, using Chef to write infrastructure as code</li><li>• Mitigated login vulnerabilities and reduced yearly login and onboarding time by ~7 and ~10 hours, respectively, by implementing Okta OIDC-based authentication to replace hundreds of unique Github tokens with SSO</li><li>• Maintained code, improved operational effectiveness, updated and added documentation, and led cross-team engineering meeting to share learnings and manage action items</li><li>• Researched and initiated zookeeper cluster high availability disaster recovery strategy for Vault</li><li>• Began to implement phishing protection by creating project plan and tickets to configure DMARC using Valimail</li><li>• Reduced on-call workload for team members by taking on AWS Access Requests and answering questions in Slack</li><li>• Built internal portal to automate data deletion using React; team of ~12 won Best Internal Hack during Hackweek</li></ul>	<b>San Francisco, CA</b>
2020 fall	<b>ROCKETANSKY</b> (a 10-person, pre-seed cybersecurity startup) <b>Software Engineering Intern; fall of gap year</b> <ul style="list-style-type: none"><li>• Co-developed passwordless authentication and automated security analytics platform, working with team of ~10</li><li>• Developed AWS lambda functions in Python, created API endpoints, managed data with AWS S3 and dynamoDB</li><li>• Designed infrastructure for SAML identity provider, maintained other back-end functionality to launch prototype</li></ul>	<b>Atlanta, GA</b>
2020 – 2020	<b>YALE UNIVERSITY PHYSICS DEPARTMENT</b> <b>Core-Based Peer Tutor for Physics 200</b> <ul style="list-style-type: none"><li>• Selected based on professorial recommendation to run office hours and extra help sections for ~6 hours weekly</li></ul>	<b>New Haven, CT</b>

### Leadership

2019 – present	<b>YALE COLLEGE COUNCIL</b> <b>Deputy Academics Director YCC Exec Board; Elected Senator (2020-2021)</b> <ul style="list-style-type: none"><li>• Selected by YCC president to co-lead team of 15 senators creating Yale College academic policies</li><li>• Elected as 1 of 2 senators to represent ~400 students in Davenport College and advocate for policy changes at Yale</li></ul> <b>Elected Class Representative; Class Council Treasurer; Events Committee Member (2019-2020)</b> <ul style="list-style-type: none"><li>• Collaborated with team of ~20 to organize and execute six events building class cohesion and generating \$22,000</li><li>• Managed \$18,000 budget, tracked internal and external expenses, and reported to Yale College Business Office</li><li>• Selected to join 10-person events team; planned ~15 college-wide events, including Harvard-Yale game party</li></ul>	<b>New Haven, CT</b>
2020 – present	<b>YALE COMPUTER SOCIETY</b> <b>Vice President (2021-2022); Workshop Team Lead; Secretary; Board Member (2020-2021)</b> <ul style="list-style-type: none"><li>• Lead team of ~5 to create CS workshops in topics such as intro. Python, technical interviewing, and data science</li><li>• Co-manage club of ~80, attending weekly board meetings, generating event ideas, and interviewing new members</li></ul>	<b>New Haven, CT</b>
2020 – present	<b>CODE HAVEN</b> <b>Computer Science Instructor &amp; Mentor</b> <ul style="list-style-type: none"><li>• Provided weekly coding instruction (with 5 other mentors) to a public school class of ~20 seventh grade students</li><li>• Taught students CS fundamentals, working one-on-one to create personalized applications with Scratch</li></ul>	<b>New Haven, CT</b>

### Technical Skills & Additional Information

- **Programming:** Python, Java, Ruby, HTML, CSS, JavaScript, Git; AWS (Lambda, IAM, EC2, DynamoDB, S3, etc), Vault, Chef
- **Software:** PowerPoint, Excel, Photoshop, InDesign / **Languages:** Conversant in Spanish
- **Interests:** Soccer, sustainable energy, public-key encryption, AI, ceramics, politics, and hiking
- **Clubs & Activities:** Yale Women’s Club Soccer, First-Year Outdoor Orientation Trip Leader, Yale Science Magazine Designer