

# LOUISA RAWLES

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## EDUCATION

<b>University of Virginia</b> , Charlottesville, VA <i>B.A. Computer Science; Minor Commerce General Business, Environmental Science</i>	<i>August 2023 - Expected May 2027</i>
<ul style="list-style-type: none"><li>• <b>GPA:</b> 3.93/4.0   <b>ACT:</b> 36   <b>Awards:</b> Dean's List</li><li>• <b>Relevant Coursework:</b> Statistical Analysis, Data Structures and Algorithms, Software Development Essentials, Computer Systems and Organization, Micro-/Macroeconomics, Financial Accounting, CS Preparing for Undergraduate Research</li></ul>	

<b>St. George's High School</b> , Newport, RI, <i>Cum Laude</i>	<i>August 2019 - May 2023</i>
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## TECHNICAL SKILLS

- **Languages:** Python | Java | C | SQL | PDDL | R | Chinese (Basic)
- **Tools:** ROS 2 | NumPy | Git/Github | Linux | Jupyter | RStudio | Visual Studio Code | Excel | LaTeX

## PROFESSIONAL EXPERIENCE

<b>UVA Engineering Link Lab - Collaborative Robotics Lab</b> , Charlottesville, VA <i>Human-Robot Interaction Research Assistant</i>	<i>September 2025 - Present</i>
<ul style="list-style-type: none"><li>• Leverage ROS 2, computer vision, and Fast Downward classical AI planning system to design, implement, and test PDDL domain/problem files for the Stretch robot</li><li>• Execute visual servoing and teleoperation via YOLOv8, the Stretch Web Teleop codebase, and the ROS 2 Navigation Stack</li><li>• Analyze HRI literature, including research on computer vision, task and motion planning, and Code as Policy frameworks</li></ul>	

<b>University of Virginia P2L Program</b> , Charlottesville, VA <i>Peer Coach (MATH 1310)</i>	<i>May 2025 - Present</i>
<ul style="list-style-type: none"><li>• Instruct 90-minute weekly drop-in review sessions hosting 20+ students, empowering growth and collaborative problem solving through active learning activities and problem sets</li><li>• Design targeted lesson plans addressing learning pain-points based on analysis of lecture engagement and exam data</li></ul>	

<b>The Red Rock Ranch</b> , Kelly, WY <i>Server (Seasonal)</i>	<i>May 2024 - August 2025</i>
<ul style="list-style-type: none"><li>• Demonstrated strong communication with 30-40 guests per seating, 6 days a week, along with supervisor and colleagues</li><li>• Guided guest hikes and fostered community through hospitality</li></ul>	

## INVESTMENT EXPERIENCE AND KEY PROJECTS

<b>Take-Two Interactive Software, Inc.</b> -- Stock Pitch for <i>Smart Woman Securities</i>	<i>October 2025</i>
<ul style="list-style-type: none"><li>• Pitched long with anticipation of future sale post <i>GTA VI</i> launch</li><li>• Forecasted 50% FY 2026 revenue surge catalyzed by <i>GTA VI</i> launch and mobile gaming expansion</li><li>• Modeled free cash flows, executed industry/company research, and evaluated core strategy shift to sustainable profit growth</li><li>• Identified upside potential through DCF and comps analysis</li></ul>	
<b>Celsius Holdings, Inc.</b> -- Stock Pitch for <i>Smart Woman Securities</i>	<i>May 2025</i>
<ul style="list-style-type: none"><li>• Pitched long position derived from quantitative financial and market data analysis</li><li>• Forecasted Pepsi trade agreement and Alani acquisition to expand CELH market share and enhance product diversification, and ROIC to stimulate Q2 FY 2025 revenue growth</li><li>• Q2 FY 2025 earnings call revealed 84% YoY revenue increase, 1.8-point market share increase, and 2x EBITDA</li></ul>	

<b>Hidden Demographic Biases in NLP Models</b> , Charlottesville, VA <i>CS Preparing for Undergraduate Research</i>	<i>May 2025</i>
<ul style="list-style-type: none"><li>• Collaborated on a 4-person team to implement NumPy/Torch/Transformers Python libraries with NLP models, "unitary/toxic-bert" and "text-classification," to generate a pipeline quantifying gender and racial AI/ML bias across 24 model inputs</li><li>• Modeled/analyzed toxicity score fluctuations and proposed future research to improve AI for real-world systems to faculty</li></ul>	

## LEADERSHIP & SERVICE

<b>Smart Woman Securities at UVA</b> , Charlottesville, VA <i>TMT Analyst</i>	<i>February 2025 - Present</i>
<ul style="list-style-type: none"><li>• Conduct fundamental and macroeconomic research, analyze market trends, risks and catalysts, and build valuation models</li><li>• Excelled in 12-week investment training program, ranking top three in organization-wide stock pitch competition</li></ul>	

<b>Ducks Unlimited at UVA</b> , Charlottesville, VA <i>Committee Setup Chair; Merchandise-, Sponsor- Committee Member</i>	<i>September 2023 - Present</i>
<ul style="list-style-type: none"><li>• Establish strong relationships with donors, securing 5+ committed annual sponsors fundraising cumulative \$169,549</li><li>• Designed merchandise for fall wetland conservation fundraiser and auction</li></ul>	

## ACTIVITIES AND INTERESTS

<ul style="list-style-type: none"><li>• <b>Activities:</b> Smart Woman Securities, UVA Club Squash Team, Women in Computer Science, Kappa Kappa Gamma</li><li>• <b>Leadership and Service:</b> Ducks Unlimited at UVA, Christ Episcopal Church Fellows Program, Autism Allies, Gordie Club</li><li>• <b>Interests:</b> Ski Mountaineering, Squash, Mahjong, Reading, Hiking, Running</li></ul>	
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