

LOUISA RAWLES

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EDUCATION

University of Virginia, Charlottesville, VA

August 2023 - Expected May 2027

B.A. Computer Science; Minor Commerce General Business, Environmental Science

- **GPA:** 3.93/4.0 | **ACT:** 36 | **Awards:** Dean's List

- **Relevant Coursework:** Statistical Analysis, Data Structures and Algorithms, Software Development Essentials, Computer Systems and Organization, Micro-/Macroeconomics, Financial Accounting, CS Preparing for Undergraduate Research

St. George's High School, Newport, RI, *Cum Laude*

August 2019 - May 2023

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

UVA Engineering Link Lab - Collaborative Robotics Lab, Charlottesville, VA

September 2025 - Present

Human-Robot Interaction Research Assistant

- 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
- Execute visual servoing and teleoperation via YOLOv8, the Stretch Web Teleop codebase, and the ROS 2 Navigation Stack
- Analyze HRI literature, including research on computer vision, task and motion planning, and Code as Policy frameworks

University of Virginia P2L Program, Charlottesville, VA

May 2025 - Present

Peer Coach (MATH 1310)

- Instruct 90-minute weekly drop-in review sessions hosting 20+ students, empowering growth and collaborative problem solving through active learning activities and problem sets
- Design targeted lesson plans addressing learning pain-points based on analysis of lecture engagement and exam data

The Red Rock Ranch, Kelly, WY

May 2024 - August 2025

Server (Seasonal)

- Demonstrated strong communication with 30-40 guests per seating, 6 days a week, along with supervisor and colleagues
- Guided guest hikes and fostered community through hospitality

INVESTMENT EXPERIENCE AND KEY PROJECTS

Take-Two Interactive Software, Inc. -- Stock Pitch for *Smart Woman Securities*

October 2025

- Pitched long with anticipation of future sale post *GTA VI* launch
- Forecasted 50% FY 2026 revenue surge catalyzed by *GTA VI* launch and mobile gaming expansion
- Modeled free cash flows, executed industry/company research, and evaluated core strategy shift to sustainable profit growth
- Identified upside potential through DCF and comps analysis

Celsius Holdings, Inc. -- Stock Pitch for *Smart Woman Securities*

May 2025

- Pitched long position derived from quantitative financial and market data analysis
- 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
- Q2 FY 2025 earnings call revealed 84% YoY revenue increase, 1.8-point market share increase, and 2x EBITDA

Hidden Demographic Biases in NLP Models, Charlottesville, VA

May 2025

CS Preparing for Undergraduate Research

- 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
- Modeled/analyzed toxicity score fluctuations and proposed future research to improve AI for real-world systems to faculty

LEADERSHIP & SERVICE

Smart Woman Securities at UVA, Charlottesville, VA

February 2025 - Present

TMT Analyst

- Conduct fundamental and macroeconomic research, analyze market trends, risks and catalysts, and build valuation models
- Excelled in 12-week investment training program, ranking top three in organization-wide stock pitch competition

Ducks Unlimited at UVA, Charlottesville, VA

September 2023 - Present

Committee Setup Chair; Merchandise-, Sponsor- Committee Member

- Establish strong relationships with donors, securing 5+ committed annual sponsors fundraising cumulative \$169,549
- Designed merchandise for fall wetland conservation fundraiser and auction

ACTIVITIES AND INTERESTS

- **Activities:** Smart Woman Securities, UVA Club Squash Team, Women in Computer Science, Kappa Kappa Gamma
- **Leadership and Service:** Ducks Unlimited at UVA, Christ Episcopal Church Fellows Program, Autism Allies, Gordie Club
- **Interests:** Ski Mountaineering, Squash, Mahjong, Reading, Hiking, Running