

## Patrick Shaw

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### Education

**Princeton University** | Princeton, NJ Expected Graduation June 2026

B.S.E in Operations Research and Financial Engineering; Minor in Classics; **GPA:** 3.03

**Relevant Coursework:** Probability and Stochastic Systems, Linear Algebra, Statistics, Multivariable Calculus, Corporate Finance

**Xavier College** | Kew, Australia

Graduated November 2021

**Relevant Coursework:** Maths Methods Units 3/4, Chemistry Units 3/4, Physics 3/4, **ATAR:** 95.25

**Awards:** Dalton Award for Academic Achievement (2021)

**Honors:** College Prefect (2021), Captain of Boats (2021)

### Experience

Summer Intern | **Trenton MOVES (Autonomous Vehicle Start-up)** | Princeton, NJ June 2024-August 2024

- Implemented logistics systems of autonomous vehicles for multiple neighbouring cities.
- Coded simulations to test and prove system legitimacy for key government and municipal stakeholders.
- Created optimization techniques to enhance efficiencies to pick-up/drop-off.
- Developed cost/price models to determine fare structures (Python, Java, R)

Quantitative Research Assistant | **QAPS Department, Princeton University** | Princeton, NJ July 2024- August 2024

- Gathered information and statistics on the use of supervised classification in machine learning in political papers
- Provided evidence for the literature review of a current paper in the Quantitative and Analytical Political Science (QAPS) Department

Bartender/Waiter | **Del Posto 2409** | Rye, Australia June 2022-August 2022

- Took orders, served drinks and food, maintained the bar, and took payments to an average of 100+ customers per shift
- Acted as the face of the restaurant to create a stable and welcoming environment during busy hours
- Trained new employees to create a streamlined work structure for the head waiter

### Leadership and Service

**Xavier College Prefect** | Kew, Australia January 2021- December 2021

- Participated in weekly meetings with the Head of Campus and Principal about current events concerning the school. Assumed leadership role on topics ranging the school's management of COVID to the best way to integrate the younger students to campus.
- Liaison between the senior campus (Years 9-12) and Burke Hall (Years Prep-8). Collaborated with staff to ensure Year 8 students had a smooth transition to the Senior Campus.
- Mentored students from all years socially and academically.

**Xavier College Captain of Boats** | Kew, Australia January 2021- December 2021

- Worked with coaches to improve the program's competitive results, organise community events, and increase the program's presence at the school. Facilitated communication between coaches and fellow athletes.
- Represented the rowing program at school assemblies and at meetings with the Director of Sport.

**Maytime Fair** | Kew, Australia May 2018- May 2020

- Volunteered in customer-facing and organizational roles at various stalls, from which all proceeds went to Jesuit Missions in Thailand

**Arnhem Land Immersion** | Darwin, Australia September 2018

- Travelled to Indigenous communities to build vegetable gardens, wells, and toilets in partnership with the communities while learning about Indigenous culture.

### Athletic Achievements

**Princeton University Men's Heavyweight Rowing** | Princeton, NJ August 2022- Present

- Henley Royal Regatta Ladies Plate Champion 2024
- All Ivy Second Team 2024
- Earned a Silver Medal at the 2024 Eastern Sprints in the Varsity Eight
- Earned a Silver Medal at the 2023 Head of the Charles in the Varsity Eight

### Skills and Interests

**Languages:** Advanced conversational German, Latin (6 years)

**Coding:** Java, R, Python and STATA

**Certifications:** RSA (Responsible Service of Alcohol)