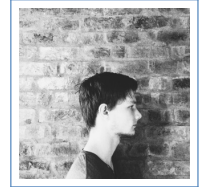


# Andrew van Rooyen

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Full stack engineer, with a focus on backend. I've spent a lot of my time working with transaction processing systems in fintech. When I'm not reading a fantasy novel, I'm probably tweaking my Neovim config.

## Education

- 2015–2015 **BSc. Honours**, *University of Cape Town*.  
Computer Science
- 2012–2014 **Bachelor of Science**, *University of Cape Town*.  
Applied Mathematics, Computer Science

## Experience

- 2015–Current **Full Stack Engineer**, *Nomanini*, Cape Town.  
Worked on Nomanini's first-gen platform with both embedded software and highly resilient, eventually consistent backend. Overhauled tooling to be centred around CI/CD infrastructure.  
Was instrumental in building the company's second-gen platform to handle complex transaction processing for VAS and banking products. Designed and implemented a microservice-based backend centred around a custom-built transaction switch, as well as reporting and operational dashboards with React. Integrated with banks and mobile networks in multiple countries.
- 2014–2015 **Developer Intern**, *Nomanini*, Cape Town.  
Interned three separate times during vacations over the period of two years.
- 2014–2015 **Tutor - Computer Science Department**, *University of Cape Town*, Cape Town.  
Taught Python and Java at a first-year level. Graded third-year assignments and tests on operating systems, networks and functional programming.

## Volunteer

- 2014–2015 **Tutor - Kopano Residence**, *University of Cape Town*, Cape Town.  
Helped students from the science and commerce faculties with their introduction to programming course.

## Awards

**International Collegiate Programming Contest**, *Association for Computing Machinery (ACM)*.

Competed by writing Java code to solve complex mathematical and numerical problems in a team of three. Placed 3rd in Southern Africa and Russia in 2013 and 2014.

**Scholarship**, *Science Faculty - University of Cape Town*.

Entry scholarship for high results for Mathematics and Physics (NSC). Further scholarship for high achievement in the Science Faculty.

**Dean's Merit List**, *University of Cape Town*.

Awarded multiple times for high achievement in the Science Faculty and a 1st GPA (>75%).

## Interests

- Reading Fantasy, science fiction  
Gaming Board games, competitive eSports