

## Profile

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I am pragmatic problem solver who loves a challenge. Programming has always played a strong role in my school and university education, if not at the fore-front. I have experience working in a team environment on complex projects as a result of designing and building multiple race cars at University. Post University I have become increasingly interested in software engineering and wish to work in this profession.

## Education

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### Southampton University, 2011-2015

- Graduated with an 2:1 MEng in Aeronautics & Astronautics.
- Specialised in computing and composites.

### Warwick School, 2009-2011

- 3 A-levels in Mathematics (A), Physics (A) and Computing (A\*).
- 1 AS-level in Geography.

## Personal Projects

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**Blog** - Builds private and public static sites from my logs. Uses JavaScript, Handlebars, Gulp, Stylus and D3.

**Makeit** - A design and manufacturing prototype app written in JavaScript and Typescript. Uses Node, Express, Angular 2, Redis and more.

**General** - At home on Linux and competent with Git. Familiar with JavaScript testing libraries such as Mocha and Chai. Familiar with Python and C from University.

## Experience

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### Archer HPC Courses

- Shared memory programming with OpenMP and C.
- Message-passing programming with MPI and C.

### Southampton University Formula Student Team, 2012-2015

- Cloud based simulation framework - Azure, Python, Django, Celery.
- Aerodynamics and bodywork team leader.
- Composite monocoque design and manufacturing.

## Previous Work

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### Sainsburys, 11/2015 - 06/2016

- Night shift employee: 4 nights per week.
- Managed stock levels and ensured a well dressed store.

### UAV Internship: Southampton University, Summer 2014

- Involved manufacturing of autonomous UAV aircraft for use by Kent police force.
- Main role was manufacturing the aircrafts wiring looms.
- Prepared aircraft for flight tests.

### Snitterfield Arms, Summer 2013

- Bar and table work.
  - Ensured good customer relationships.
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Find more details about me and my projects at: [thomasrickard.uk](http://thomasrickard.uk)