

Tommaso Armstrong

Curriculum Vitae

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Website	tomma.so
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Languages	English & Italian
Citizenships	Australia, Italy (EU) & New Zealand

Education

- 2014 – 2017: University of Technology Sydney Double Degree Program - concurrent
- Bachelor of Science in Information Technology - Enterprise Systems Development Major
 - Bachelor of Creative Intelligence and Innovation
 - Capstone Projects:
 - Working with Accenture to develop a proof of concept Zero UI device
 - Working with the Faculty of Transdisciplinary Innovation to create an alumni platform
 - Software Development Studio member; run by UTS, working on team based real world projects each semester using agile methodologies and the Atlassian Suite

Skills

- Full stack web developer with experience in Python, Node, React / Redux, Angular & PHP
- User experience design
- Human centred and service design
- Data visualisation using d3js
- Project management experience

Relevant Professional Experience

2016 - 2017: Innovation Intern at UTS Connected Intelligence Centre

- Worked as a software developer on a learning analytics project funded by an Federal Open Learning Technologies Grant that used data from social media networks to provide personalised analytics to students and educators (Python / Django)
- Redesigned interactions with a student blogging platform based on WordPress and used by Masters in Data Science and Innovation students by creating an API driven single page app using React and Redux
- Developed the API and front end interface for a peer review system created for the Deputy Vice Chancellor (Education and Students) to oversee reviews of new subject outlines
- Worked with the AWS cloud and managed deployments of services I was responsible for
- Created social network analysis visualisations based on interactions between students on Twitter using Python and d3

2016: Intern at Construction Cloud

- Worked as a software development intern primarily responsible for building a reporting system that drew on data from multiple sources (Xero, Google Analytics, Podio, Mailgun & S3) and provided daily reports about the state of the business
- Built image processing pipelines for uploads using Python and AWS Lambda
- Helped design architecture for the system using AWS
- Competed with Construction Cloud in the Virginia Tech Knowledge Works global startup competition where we won the award for Best Intangible Product

2014 - 2015: Freelance IT Support and Web Development Consultant

- Web design and development
- Repairing basic computer issues
- Setting up networks in home and small business environments
- Providing training on how to use computers effectively to help with everyday tasks
- Purchasing advice, initial setup of equipment and on-going maintenance

Other Experience

2015: Research Assistant at UTS Business School

- Wrote Python scripts to help automate simulations of crop growth
- Helped conduct research for, and assisted, a PhD candidate in compiling their thesis and running statistical analyses

2013: Intern at Your IT Limited in Queenstown, New Zealand

- Setup and configured computers, servers and networking equipment for small businesses around the Queenstown Area.
- Helped with rollouts / installations of new equipment / software on and off site.
- Worked with an Apple Certified Technician repairing Apple Macs, including servicing parts, troubleshooting software and hardware malfunctions and configuring new machines specifically for client's needs.

2012 - 2013: Contributor at Fairfax Media NZ, specifically the Queenstown Mirror

- Took commissioned photos for the Mirror relating to Wakatipu High School including at sporting events, art performances, exhibitions and other special events of interest to the Lakes District community.
- Periodically wrote articles for the paper

Projects

Data Analysis and Visualisation for the Governor of New South Wales, His Excellency General The Honourable David Hurley AC DSC (Ret'd)

- As part of a team of 3 students and 3 academics, we conducted a data analysis and presented visualisations of how the Governor engaged with the NSW community during his first year in office
- Presented 8 A1 visualisations to the Governor and the staff of Government House Sydney
- Responsible for processing data and creating visualisations using R and d3

Contributed to a UTS Business School submission to the UN Green Climate Fund

Community & Events

- Member of the 2nd place group for the 2015 Visa Payment Device Innovation Program run at UTS
- Participant in the UTS Digital Badging and Recognition Discovery Initiative
- First IT Officer for the UTS BCII Connect society