

MARK SHELTON

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EDUCATION

- 2018-20**
(2yr, exp.) **Stanford University** – *Master of Science - Management Science & Engineering - 4.03/4.00*
General Sir John Monash Scholarship, Australia's most prestigious scholarship
Courses: CS 242: Programming Languages (A+), CS 161: Design & Analysis of Algorithms (A)
- 2012-17**
(5.5yr) **University of Western Australia** – *BPhil (Hons) - Computer Science - 4.00/4.00*
UWA Fogarty Foundation Scholarship, Western Australia's most prestigious scholarship
Finalist in the Australian Computing Society ICT Student of the Year

TEACHING & LEADERSHIP

- 2020**
(ongoing) **Teaching Assistant, MS&E 275 Intelligent Growth in Startups at Stanford University**
MS&E 275 is a graduate-level entrepreneurship course taught by the Floodgate VC team
Assisted instructor in developing syllabus, grading assignments, and coordinating speakers
- 2019**
(9mo) **Teaching Assistant, CS 106B Programming Abstractions at Stanford University**
CS 106B is the second course in Stanford's introductory computer science sequence
Taught weekly sections (~10 students), held office hours & weekly 1-1 grading sessions
Excellent student reviews – overall rating of 4.9/5.0 for Winter, Spring & Fall 2019 quarters
Studied additional computer science education classes: CS 198, CS 198B and CS 298
- 2017**
(6mo) **Organizer & Speaker at UWA Functional Programming Meetup**
Started meetup (~20 people) that delivers technical talks on functional programming
Presented talks on Haskell, Elixir, and functional programming in JavaScript
- 2013-17**
(4yr) **Co-Founder & CEO of Bloom**
Bloom is a entrepreneurship education non-profit for young Western Australians
Led a team of 50 volunteers and staff, running programs across multiple universities
Hosted more than 200 workshops and seminars attended by more than 5,000 people
Supported more than 100 young entrepreneurs at the BloomLab co-working space
- 2012-13**
(9mo) **Deputy CEO of Teach Learn Grow**
TLG is a non-profit that provides tutoring to rural and indigenous students in Australia
Led 50 executive volunteers, 200 tutors and managed a budget of \$100,000+

ENGINEERING & PRODUCT DEVELOPMENT

- 2019**
(3mo) **Productivity feature (unannounced) for Microsoft's new Edge browser**
Program Manager, Intern at Microsoft on the Edge Browser Services team
Drove feature through two rounds of internal testing (with 500+ FTE) and user research
Designed inking & audio input scenarios, collaborating with teams across the company
Tech stack: Javascript (React, Node), Microsoft internal APIs (inking, audio, cognitive, sync)
- 2016-17**
(1yr) **AutoVC, Automated Venture Capital Screening**
Computer Science senior-year thesis project, awarded A+ by independent examiners
AutoVC applies machine learning to public data sources to predict successful startups
Winner of the WAITTA Peter Fillery Prize & Finalist for the AIIA iAward (Australia-wide)
Tech stack: Python, Pandas & Numpy, Scikit-learn, PostgreSQL, Jupyter, Matplotlib
- 2017-18**
(3mo) **Thickshake, Historical Image Classification System**
Software Engineer, Intern at Pawsey Supercomputing Centre, Curtin HIVE & SLWA
Thickshake uses machine learning and image processing to augment photo archives
Also developed OldPerth, a map-based visualization website for Thickshake data
Tech stack: Python, OpenCV & Dlib, Tensorflow, PostgreSQL & HDF5, Docker, Javascript

TECHNICAL SKILLS

- Languages & Technologies** Python (Pandas, Numpy, Scikit-learn), JavaScript (ES6+, Node, React, React-Native), SQL & Databases (PostgreSQL, SQLite, MongoDB, Redis), Docker, Haskell, C++, Java
- Technical Domains** Machine Learning / Data Science, Web Development (full-stack), System Design, Functional Programming, Database Management, Cloud Computing