

JIA-SHEN BOON

jiashen@gmail.com
 boonjiashen
boonjiashen.com

EMPLOYMENT

Software Engineer **Amazon.com** **July 2016 - Present**

- Enabled multi-language support in Customer Q&A for 12MM+ customers in four marketplaces.
- Launched “Have a question?” widget on the detail page, to 500MM+ widget loads a day.
- Built data collection stack that logs 4MM+ search requests daily to a data warehouse.

Research Assistant **University of Wisconsin-Madison** **Summer 2015**

- Conducted research in unmanned aerial vehicles. Supervised by Prof Michael Coen.

Teaching Assistant **University of Wisconsin-Madison** **Fall 2014 - Spring 2016**

- CS570 Introduction to Human-Computer Interaction (Spring 2016)
- CS534 Computational Photography (Fall 2015)
- CS367 Introduction to Data Structures (Fall 2014, Spring 2015)

Research Engineer **Defense Science Organization, Singapore** **Aug 2011 - Aug 2014**

Autonomous capabilities of autonomous underwater vehicle

- Developed obstacle detection and classification algorithms. Python, C++
- Developed vehicle speed optimization algorithm to determine optimal speed in-mission. MATLAB

EDUCATION

Madison, WI **University of Wisconsin-Madison** **Fall 2014 - Spring 2016**

- MS in Computer Science, GPA: 3.94

Singapore **National University of Singapore** **Fall 2007 - Spring 2011**

- BEng in Mechanical Engineering, 1st Class Honors, Dean's List (4 semesters), CAP: 4.65/5

ADDITIONAL PROJECTS

- **The case for visual-inertial SLAM over visual SLAM** (2016). Master's project
- **M. Beyeler. *OpenCV with Python Blueprints*** (2015). Packt Publishing. Invited book reviewer.
- **Robust image retrieval using topic modeling on captioned image data** (2015). Crawled imgur for over 32K images and 110K captions. Modeled images and captions with LDA and a deep CNN. MATLAB
- **Recognizing speculative language in biomedical text** (2014). Learned distributed representation of sentences on BioScope and BioMed Central datasets; achieved an F1 score of 88.5%. Python, Java

AWARDS & VOLUNTEER WORK

- Microsoft College Coding Competition (UW-Madison, 2016), 2nd place
- SIGGRAPH 2015 student volunteer
- UW-Madison CS Graduate Summer Research Assistantship 2015
- UW-Madison Special CS Scholarship 2014
- Singapore Autonomous Underwater Vehicle Challenge 2014 judge & committee member
- Robocup 2011 International Top 8 / 34

LANGUAGES & TECHNOLOGIES

- C/C++ (intermediate), Java (intermediate), MATLAB (proficient), Python (proficient), Caffe, git