

BOON JIA SHEN

jiashen@gmail.com
in boonjiashen
boonjiashen.com

EMPLOYMENT

Software Engineer	Amazon Japan	May 2019 - Present
<ul style="list-style-type: none">• Built an ETL pipeline that publishes search terms of 2B+ products a day to the Search Index• Enabled blocklisting support that blocklists 2B+ search terms a day in Amazon Search		
Software Engineer	Amazon.com	July 2016 - May 2019
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Conducted research in unmanned aerial vehicles. Supervised by Prof Michael Coen.		
Teaching Assistant	University of Wisconsin-Madison	Fall 2014 - Spring 2016
<ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• MS in Computer Science, GPA: 3.94• UW-Madison CS Graduate Summer Research Assistantship 2015• UW-Madison Special CS Scholarship 2014		
Singapore	National University of Singapore	Fall 2007 - Spring 2011
<ul style="list-style-type: none">• 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

LANGUAGES

- Java (proficient), Python (proficient), Javascript (proficient), MATLAB (proficient)