

Shengjie Pan

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EDUCATION & COURSEWORK

University of Michigan, Ann Arbor, MI
B.S.E, Computer Science Engineering

Sep 2015 - Apr 2017 (expected)

- GPA: 3.87/4.00
- Awards: Dean's List (Fall 2015, Winter 2016), University Honors
- Relevant Courses: Machine Learning, Database Management Systems, Data Structure and Algorithm, Operation Systems, Computer Security

Shanghai Jiao Tong University, Shanghai, China
B.S.E, Electrical and Computer Engineering

Sep 2013 - Aug 2017 (expected)

- Awards: Academic Scholarship (top 10%), Dean's List (2013, 2014)
- Relevant Courses: Discrete Mathematics, Programming & Elementary Data Structures
- Extracurricular Activities: Vice Minister of Department in Student Union, Active member at volunteer team

INTERNSHIP

Software Engineer Intern, *CNSI*, Lansing

May 2016 – Aug 2016

- Built the Operations Management Portal, which handles access requests for databases and systems
- Utilized Spring MVC and Hibernate framework in Java to develop the web application
- Designed data schema of the whole project and created data tables in MySQL
- Implemented the user interface design with HTML, CSS, and JavaScript

EXPERIENCE

Instructional Aide, *EECS484 Database Management Systems*, Ann Arbor

Jan 2017 – present

- Assisted instructors with lectures and prepared homework
- Held weekly office hours that facilitates students' learning process
- Assign grading work to graders and manage gradebook

Research Assistant, *GEMS Lab*, Ann Arbor

Mar 2016 – present

- Research topic: multiple graph alignment by applying Locality Sensitive Hashing on graph features
- Extracted structural features from directed and undirected graphs
- Applied different hashing functions on structural features and node attributes

Research Assistant, *UMSI*, Ann Arbor

Sep 2016 – present

- Built an interactive visual analytic application using d3.js and socket.io
- Developed a Chrome extension to collect information about Facebook notifications
- Implemented an augmented reality application with computer vision

Grader, *EECS376 Foundations of Computer Science*, Ann Arbor

Jan 2016 – present

- Graded student's assignment and provided feedback

Stuffpass, Ann Arbor

Jan 2016 – Apr 2016

- Developed an online selling platform and worked on the backend in Javascript
- Implemented a chat server using socket.io and stored chat history in MongoDB
- Improved current search functionality using Apache Solr and allowed searches in categories and keywords

MClicker, *Mhacks 7 Project*, Ann Arbor

Feb 2016

- Designed an application for instructors to take quizzes via text message
- Utilized Twilio API to authenticate students and collect their answers
- Built a web interface to display the results

LANGUAGE & SKILLS

- Chinese (native), English (fluent)
- Python, JavaScript, Swift, Java, HTML, CSS, SQL, C++, Matlab, Latex, OpenGL