Kangxu Wang

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OBJECTIVE

Seeking for an intern position in software engineering starting from May 2017

EDUCATION

University of Michigan - Ann Arbor	Expected Graduation Date: Dec 2017
B.S.E in Computer Science Engineering	GPA: 3.9 | 4.0
Shanghai Jiao Tong University - Shanghai, China	Graduation Date: Aug. 2016
B.S.E in Mechanical Engineering	GPA: 3.5 | 4.0

RELATED COURSEWORK

Data Structures and Algorithms (in progress), Intro to Computer Organization (in progress), Programming and Data Structures, Discrete Mathematics, Intro to Theoretical Statistics

RESEARCH & PROJECT EXPERIENCE

Smartphone based SLAM - Huawei Technologies   May 2016 – Aug. 2016
- Programmed an Android App to achieve Simultaneous Localization and Mapping (SLAM)
- Wrote Java program to require permissions for sensors and camera and manage Android layout
- Compiled ORB-SLAM source code (written in C) in java through Java Native Interface (JNI)

Match Point, a sports matching website - MHacks 7   March 2016
- Brainstormed the concept of sports matching website and designed logic between webpages
- Designed the layout and UI using Bootstrap front-end framework
- Studied and explored Firebase JavaScript API for user authentication and information storage

Computational Fluid Dynamics Methods - University of Michigan   Sept. 2015 – Dec. 2015
- Investigated efficiency and robustness of numerical methods (Runge Kutta, Forward Euler, etc.)
- Programmed the Matlab and shell scripts to test cases for 33 methods with different time steps
- Performed weekly meeting with Prof. Fidkowski and finalized with technical written report

ENGINEERING SKILLS

Programming Languages: C/C++, Java, Python, HTML/CSS, Matlab, Mathematica
Engineering Tools: LaTeX, Arduino, Microsoft Office, CATIA, Unigraphics/NX

HONORS AND AWARDS

James B. Angell Scholar	March 2016
EECS Scholar Award, EECS Department, University of Michigan	March 2016
Dean's List, College of Engineering, University of Michigan	Fall 14, Winter 15, Winter 16
Excellent Academic Scholarship, third-class, Shanghai Jiao Tong University	2014