

Jacob Chen

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EDUCATION

UNIVERSITY OF BRITISH COLUMBIA, VANCOUVER, BC September 2015 – May 2017
M. Sc. Computer Science

UNIVERSITY OF MARYLAND, COLLEGE PARK September 2010 – May 2014
B.Sc. Electrical Engineering, GPA: 3.67

EXPERIENCE

RESEARCH/TEACHING ASSISTANT, UBC September 2015 – Present

- Completed Master's Thesis involving physics simulation, controls, and leveraging predictive capabilities of LSTM networks

RESEARCH/LAB ASSISTANT, UMCP April 2015 – August 2015

- Developed Android Application for the collection of biometric data while users performed a variety of tests with the goal of user identification

UNDERGRADUATE RESEARCH FELLOW, UMCP October 2013 – May 2014

- Developed iOS application for the collection of biometric data through a variety of tests
- Implemented Machine learning techniques for identifying user of mobile device using touch trajectories

KISWE MOBILE DEVELOPER, COLLEGE PARK, MD December 2013 – February 2014

- Created an MVP for interacting with and displaying live stream videos of different viewpoints

NSF FUNDED UNDERGRADUATE RESEARCH, FIT, FL May 2013 – July 2013

- Developed unique algorithm for identifying low resolution objects in images
- Integrated algorithm into interaction recognition framework
- Published in the ICPR 2014 conference in Stockholm, Sweden

SIGNAL PROCESSING INC, SOFTWARE ENGINEERING INTERN December 2012 – October 2013

- Developed various projects involving algorithm translation between Matlab, Java, and C#
- Developed front and backend applications in Java and C#

SKILLS

C, C++, Java, C#, Neural Networks, Matlab, RL, Python, Android, iOS, Unity, Objective C/Swift, VHDL, Bullet Physics, OpenGL

AWARDS

BEST HARDWARE HACK, FSU HACKATHON March 20-22, 2015

- Developed a Time Machine Decades Radio

3RD PLACE UMIAMI HACKATHON February 21-22, 2015

- Developed a Bluetooth application, "Ice breakers" for breaking ice in social gatherings

DEAN'S LIST 2010 - 2014

- Fall 2010, Spring 2011, Spring 2012, Fall 2012, Spring 2013, Spring 2014

DEAN'S SCHOLARSHIP 2010

- Awarded Scholarship from the University of Maryland for academic achievement