

DANIEL WADE LOO

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U.S. Citizen

OBJECTIVE

Avid engineer with a solid background in business and extensive experience in software development, team based agile environment, and GUI application management. Currently pursuing a 2016 summer internship involving software development.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Electrical and Computer Engineering **Atlanta, Georgia**
Bachelor of Science in Computer Engineering *May 2017*
• Minor in Engineering & Business through the Denning Technology & Management Program *GPA: 3.7*
• Zell Miller Scholarship Recipient
• Georgia Tech China Summer Program - Shanghai Jiao Tong University

EXPERIENCE

KEYSIGHT (AGILENT) TECHNOLOGIES **Los Angeles, California**
R&D Software Engineering Intern/EEsof EDA *May 2015 – August 2015*
• Collaborated with a team of software developers to integrate data and visualization capabilities into Keysight's SystemVue software application, deeply involving serialization, metadata, and thread management in C++ to ensure efficiency and usability
• Developed and improved several aspects of the SystemVue GUI using primarily QT and Visual Studio, meeting customer expectations by delivering a more intuitive GUI for several improved application releases

GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, Georgia**
Tutor/College of Electrical and Computer Engineering *August 2014 – Present*
• Mentor Georgia Tech students in an Engineering Software Design (C++) course, all of which have returned to me on several occasions for help not only in software design, but also in other computer engineering subject areas

GEORGIA TECH RESEARCH INSTITUTE **Atlanta, Georgia**
Software Engineering Intern/Electronic Systems Laboratory *July 2014 – December 2014*
• Initiated and designed an automated test procedure using C in LabWindows/CVI by creating a script which controlled an oscilloscope, power supply, torque sensor, etc. to test pilot assist units before their final installation into government aircraft
• Implemented said automated test procedure a month ahead of schedule to ensure that each pilot assist unit functioned fully, allowing the customer to improve efficiency and reduce staff needs by automatically testing thousands of units

LEADERSHIP

Georgia Tech Vertically Integrated Projects, eStadium team **Atlanta, Georgia**
Classifications Algorithm Team Leader *July 2013 – Present*
• Lead the classification sub-team while enhancing knowledge of C++ , Matlab, and digital signal processing through developing a successful GT football play by play classification algorithm
• Implemented and trained a neural network classification algorithm which is currently used to categorize plays at the GT football stadium and determine the top ten plays of each game in real time

Chinese Student Association **Atlanta, Georgia**
Treasurer *January 2014 – Present*
• Actively create and present budgets for organization activities with the goal of advertising and earning funding, which have resulted in the organization receiving several thousand dollars of support from multiple contributors

SKILLS/INTERESTS

Technical: C++ (experienced), C (experienced), Java (experienced), Python (experienced), Matlab (experienced), Agile Development / Test Driven Development(experienced), Assembly(experienced), Qt (experienced), Visual Studio & TFS (experienced), Linux (familiar), Networking protocols TCP/IP (familiar)
Awards: JP Morgan Chase Code for Good NYC Hackathon First Place, National Merit Finalist
Languages: Mandarin Chinese – conversational
Affiliations: Chinese Student Association, VIP Program eStadium, Institute of Electrical and Electronics Engineers Inc., IEEE Robotics Hardware Team, Global Jackets, Student Government Association
Activities: Mobile application developer, tennis, ultimate, anything outdoors
Interests: Software/application development, algorithms, embedded software, automobiles, foreign culture