

MICHAEL J. SALCEDA

904 W. Green St., #319, Urbana, IL. 61801 | (773) 603-7775 | salceda2@illinois.edu

EDUCATION

University of Illinois at Urbana-Champaign
Bachelor of Science in Computer Engineering

May 2017
GPA: 3.02/4.00

EXPERIENCE

Hendrick House

Resident Advisor

Urbana, IL
May 2016 – Present

- Manage a residence hall floor of 46 ethnically diverse undergraduate students
- Lead floor meetings and host various events to promote personal and academic growth
- Ensure the safety of residents by enforcing UIUC and Hendrick House policies

State Farm Research & Development Center

Systems Intern

Champaign, IL
May 2016 – Aug. 2016

- Implemented convolutional neural networks (CNNs) for classifying 2D images and 3D point clouds with Python
- Obtained a 96.9% classification accuracy by employing separate 2D and 3D CNN models and ensembling them together
- Increased data collection efficiency by designing a simple user interface with a third-party API

Systems Intern

May 2014 – Aug. 2014

- Improved classification accuracy of random forest machine learning algorithm to 97.79% by implementing a parameter grid search using Python
- Achieved a 99.67% classification accuracy by ensembling various machine learning algorithms (random forest, support vector machines, AdaBoost, logistic regression)
- Interfaced machine learning algorithms and data from a Kinect using C++
- Worked in a cross-functional team and gained exposure on how to work with other disciplines

LEADERSHIP AND ACTIVITIES

Midwestern Robotics Design Competition (MRDC) Committee (Engineering Open House Committee)

Director

May 2015 – Present

- Doubled committee size by arranging recruiting events
- Boosted competition participation to 27 teams from 7 various universities
- Solicited over \$5,000 in funding from 4 university organizations and corporate entities

Field Chair

Aug. 2014 – May 2015

- Coordinated the planning and building of the competition course throughout the year

Intercultural Community Development Initiative

Content Manager

Aug. 2015 – May 2016

- Supervised the creation of all workshop content and materials presented to students on the UIUC campus by ICDI committee members

AWARDS AND HONORS

University of Illinois at Urbana-Champaign Engineering James Scholar, 2012 – 2013

UIUC Department of Electrical and Computer Engineering Grainger Freshman Scholarship, 2012

SKILLS

Computer Languages: C, C++, Python, LaTeX

Languages: Tagalog