

# Sim Kieu

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## EDUCATION

**Georgia Tech**, MS in Computer Science – Machine Learning, (Graduated with high honor: Magna Cum Laude)  
Aug 2014 – Dec 2016

**The Catholic University of America**, BS in Electrical Engineering. Major GPA: 3.89/ 4.0  
Aug 2011 – May 2013

## EXPERIENCE

### **Software Engineer (Google)**

Jan 2018 – Present, Sunnyvale, CA

- Developed new Gmail material design UI such as toolbar buttons, smart mail buttons, compose contact chips.
- Contributed in bring Gmail accessibility rating (GAR) from GAR-2 to GAR-4, including color contrast, screen readers, keyboard shortcuts.
- Developed new feature which is email clusters (Trips, Events, Newsletters) from Inbox onto Gmail.
- Technologies used: HTML, CSS, ClosureJS.

### **Software Engineer (Yahoo!)**

May 2017 – Jan 2018, Yahoo HQ, Sunnyvale, CA

- Maintained and developed new features for Yahoo Messenger on the web platform.
- Researched and developed new messenger apps to compete with other messenger apps in the market.
- Technologies used: HTML5, CSS3, jQuery, ReactJS, NodeJS, Flux design pattern, Github.

### **Software Engineer Intern (Microsoft)**

May 2016 – August 2016, Microsoft HQ, Redmond, WA

- Developed new feature called Notebook Suggestions for Microsoft OneNote app which display a dialog that shows a list of notebooks of interest to suggest to users.
- Built the feature that satisfied all the requirement for Accessibility (RTL language, Voice Over, for color-blind people, etc). Participated in code reviews for other features in the team.
- Technologies used: Objective-C (Manual Retain-Release), Xcode, Source Depot, CodeFlow.

### **Data Scientist Intern (ADP)**

June 2015 – August 2015, ADP (Automatic Data Processing), Atlanta, GA

- Collaborated in a team with 4 other interns to build probabilistic and predicting models to categorize jobs and predict the job's hotness.
- Technologies used: MySQL, Amazon's EC2, SSL connection, iPython, PyMC (Statistical package for Data Scientist), Unittest (a python package for unit test).

### **Research Assistant (Computer Vision Lab at Catholic University of America)**

June 2013 – June 2014, Catholic University of America, Washington, DC

- Proposed a new algorithm to find matching points between two 2D images of an object. This new algorithm will give more matching points with high accuracy, and thus create a smoother 3D image for the object.
- The algorithm used the combination of both feature-based matching algorithm called SIFT (Scale-Invariant Feature Transform) and area-based matching algorithm called Image Alignment.
- Published 7 papers related to that research, which can be found at: <http://tinyurl.com/simkieu>

## SKILLS

**Programming:** HTML, CSS, Javascript, Python, Java, Objective-C, SQL.

**Concepts:** ReactJS, ClosureJS, Computer Vision.

## AWARDS

- HackGSU 2016 Winner – Organizer's Choice (Magic Hand): <https://devpost.com/software/magichand>