

# Kerry Liu

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## WORK EXPERIENCE

- **CDM Princeton** June 2016 - August 2016  
*Software Developer Intern*
  - Assisted with constructing and maintaining websites for healthcare companies.
  - Developed a cross-platform smartphone application for tracking hypothyroidism symptoms.
  - Created an API to interface an email marketing framework with an electronic medical database.
  - Experimented with face-tracking and image manipulation for a smartphone application.
- **Aumed Group Corp.** July 2015 - September 2015  
*Embedded Engineer Intern*
  - Wrote and implemented microprocessor code for a handheld video magnifier.
  - Tested and debugged code for embedded devices designed to aid the visually impaired.
  - Helped distribute and market products to people with disabilities.

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## EDUCATION

- **Rutgers University** August 2013 - May 2017  
*B.S. in Electrical & Computer Engineering* New Brunswick, NJ

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## PROJECTS

- **Request Classifier [JavaScript, JSX, Python]** December 2016 - In Progress
  - Categorizes sentence based requests using natural language processing.
  - Trained using data gathered from Reddit posts.
- **Upscaling Video Using The Cloud [Python, Spark]** September 2016 - December 2016
  - High quality upscaling of low resolution videos using convolutional neural networks.
  - Utilizes Amazon's EC2 service for workload distribution.
- **Parking Garage Optimization [C++ , HTML, JavaScript]** January 2016 - May 2016
  - Monitors and dynamically manages the occupancy of simulated parking garages.
  - Full system which includes mock sensors and a website for scheduling parking times.
- **Chrome Extension [JavaScript]** December 2014 - May 2015
  - Autonomously plays a Facebook game called Mousehunt.
  - Solves captchas intermittently using OCR.
- **Face-tracking Turret [Java]** May 2014 - September 2014
  - Robotic turret which utilizes the OpenCV library with real-time face tracking.
  - Differentiates between faces and filters out background image noise.

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## TECHNICAL SKILLS

### Programming Languages:

**Proficient:** C++, C, Python, JavaScript, HTML, CSS, Java

**Familiar:** MATLAB, C#, Bash, PHP, System Verilog

**Frameworks & Tools:** Flask, React, Node.js, Angular, OpenCV, CUDA, Spark, Git, AWS, Docker

**Operating Systems:** GNU/Linux, OS X, Windows, Emacs