Kerry Liu

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WORK EXPERIENCE

- **CDM Princeton** — Princeton, NJ
  Digital Intern — June 2016 — August 2016
  - Developed a cross-platform smart phone app that helps people suffering from Hypoparathyroidism manage and track their symptoms.
  - Worked with a group of developers to construct and maintain websites for various health care companies.
  - Assisted in creating an API to bridge together an email marketing framework with an electronic medical database.

- **Aumed Group Corp** — Beijing, China
  Embedded Engineer Intern — July 2015 – September 2015
  - Wrote and implemented code for a handheld video magnifier for the sight-impaired.
  - Helped distribute and market products at a nursing home for the disabled and elderly.
  - Collaborated with Coworkers and interacted with customers in Chinese.

EDUCATION

- **Rutgers University–New Brunswick** — New Brunswick, NJ
  BS in Computer & Electrical Engineering — August 2013 -– May 2017

PROJECTS

- **Parking garage optimization simulation** — January 2016 -– May 2016
  - Collaborated with a group to create software that monitors and dynamically manages the occupancy of parking garages to efficiently manage space and maximize profit.

- **Chat Bot** — December 2015 — March 2016
  - Extends the functionality of Discord, a popular voice chat application with new commands and features such as image search and directly playing music through the voice channel.

- **Data aggregation tool** — May 2015 — September 2015
  - Collects and analyzes data from an online strategy game to attempt to determine future trends.
  - Utilized Node.js and a variety of REST APIs.

- **Chrome extension** — December 2014 -– May 2015
  - Autonomously plays a Facebook game called Mousehunt without any user intervention.
  - Solves captchas intermittently by first "cleaning" the image then using OCR.

- **Face-tracking turret** — May 2014 -– September 2014
  - Robotic turret which utilizes the OpenCV library with real-time face tracking.
  - Differentiates between faces while filtering out background image noise.
  - Measures distance from the turret to face, choosing the closest face to track.

TECHNICAL SKILLS

Languages:

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

    Familiar: Python, C#, Bash, MATLAB, PHP, Swift, Lua, System Verilog, MIPS assembly, LaTeX

Frameworks & Software: Git, Node.js, Angular, React, SQL, MongoDB, PSpice, Solidworks, OpenCV

Platforms: GNU/Linux, Mac OS X, Emacs, Windows XP/Vista/7/8/8.1/10