Kerry Liu

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WORK EXPERIENCE

- **CDM Princeton**   Princeton, NJ
  Digital Intern   June 2016 - August 2016

  - Collaborated with a group of developers to construct and maintain websites for various healthcare companies.
  - Developed a cross-platform smartphone application that helps people suffering from hypoparathyroidism manage and track their symptoms.
  - 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 microcontroller which controlled a handheld video magnifier for the visually impaired.
  - Helped distribute and market various products to people with disabilities.
  - Worked with coworkers and interacted with customers in Chinese.

EDUCATION

- **Rutgers University-New Brunswick**   New Brunswick, NJ
  B.S. 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

Programming Languages:

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

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

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

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