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