Kerry Liu

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WORK EXPERIENCE:

CDM Princeton: Princeton, NJ
Digital Intern June 2016 – August 2016

- Developed a cross-platform smartphone 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 healthcare companies.
- Assisted in creating an API to bridge together an email marketing framework and an electronic medical database.

Aumed Group Corp: Beijing, China
Embedded Engineer Intern July 2015 – Sept. 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:

Bachelor of Science in Computer & Electrical Engineering New Brunswick, NJ
Rutgers University - School of Engineering August 2013 – May 2017

TECHNICAL SKILLS:

Languages:
Proficient: C++, C, JavaScript, HTML, CSS, Java
Familiar: Python, C#, Bash, MATLAB, PHP, Swift, Lua, System Verilog, MIPS assembly

Libraries/Frameworks/Software: Git, Node.js, Angular, React, SQL, MongoDB, PSpice, Solidworks, OpenCV, Latex

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

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 – Feb. 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.