Jin Kim

Contact:
jinwkim@alum.mit.edu
(714) 335-3741

EDUCATION

Massachusetts Institute of Technology   **Class of 2018**
S.B. in Electrical Engineering and Computer Science, Minor in Biology, Concentration in Political Science   GPA: 4.8 / 5.0

EXPERIENCE

InterSystems   **July 2018-Present**
Sales Engineer, Healthcare
- Leading technical sales cycles (first meetings, POCs, system architecture) and presenting InterSystems technology in innovative ways.
- Working with business executives and engineering teams from customer accounts to help maximize utilization of InterSystems products, retain referenceable accounts, and bring customer feedback and new ideas to Product Management for future product enhancement.
- To kick off a new healthcare development platform called *IRIS for Health* when no tangible demos existed, identified a need in the market and developed an innovative workflow integrating Alexa devices at hospitals into existing clinical workflows. Led US Sales's Innovation Showcase campaign with Marketing. Presented at US Sales Conference and InterSystems Global Summit.
- Helped position existing InterSystems products into a new vertical based on prospect's needs with $10M+ in potential new revenue. Facilitated internal collaboration between Prodcuct, Marketing, and Development to kick off a pilot project with prospect.

Harvard-MIT Biomedical Engineering Center: Edelman Lab   **Jan 2017-May 2018**
Undergraduate Researcher
- Automated the segmentation of aortic valves while preserving 3D information by writing Python scripts to run Simpleware ScanIP segmentation software. Replaced former methodology based on 2D images to analyze CT images of the heart and quantify metrics for aortic stenosis treatment. Optimized workflow for future studies with improvements of up to 25% in performance and 10% in accuracy.

InterSystems   **May 2017-Aug 2017**
Software Engineering Intern
- Developed data manipulation pipelines to modernize antiquated data visualizations on the InterSystems DeepSee platform.
- Gathered feedback from product managers and physician executives to accommodate data visualization needs of customers in the healthcare sector. Leveraged Highcharts JavaScript charting library to engineer more intuitive and interactive charts for physicians to not only view charts and graphs of clinical data but also drill down into specific characteristics of a cohort for population health studies.

Massachusetts General Hospital: Tearney Lab   **June 2016-Aug 2016**
Undergraduate Researcher
- Implemented an edge detection algorithm based on Laplacian filters to automate the measurements of epithelial cell dimensions observed by micro-optical coherence tomography devices in cystic fibrosis patients. After thorough accuracy tests, eliminated the need for researchers to take manual measurements of cell dimensions while μOCT device was inside the patient.

PROJECTS

Interoperability - State of the Art in US and Other Countries   **Oct 2019-Dec 2019**
Manuscript submitted to ACM Transactions on Computing for Healthcare, Second Author
- Worked with MIT Professor Amar Gupta to illustrate the current landscape of healthcare standards and the need to promote interoperability.

Instagram Automation Tool - https://github.com/jinwkim/instagram-automation   **July 2020**
Python-based tool on Jupyter Notebook, Independent
- Automated finding recent top posts of specified hash tags to save time and maximize interaction; leveraged ChromeDriver (Selenium).

Matching Card Game - https://github.com/jinwkim/matching-card-game   **June 2020**
iOS App Development with Swift, Independent
- Implemented an iOS matching card game on Xcode; created a clean user interface using Storyboard and basic game algorithm using Swift.

Restaurant Finder - https://www.amazon.com/Jin-Kim-Restaurant-Finder/dp/B07S9JGXC8   **March 2019-May 2019**
Alexa App, Independent
- Built a custom Alexa skill to make finding top nearby restaurants quick and easy using a voice-user interface. Leveraged Yelp's REST API.

LEADERSHIP & ACTIVITIES

Harvard Medical School: Crimson Care Collaborative   **April 2017-Jan 2019**
- Volunteered to assist patients in finding social resources for their needs. Gained firsthand insight into how doctors interact with Epic EMR.

United States National Archery Team   **2014**
- Represented USA in the World Archery Youth Festa in Korea in the summer of 2014. Won 4th in televised team rounds.

ADDITIONAL INFORMATION

Programming Languages / Healthcare Standards
- Python, ObjectScript, Health Level 7 (HL7), Fast Healthcare Interoperability Resources (FHIR; RESTful APIs with JSON/XML)

Hobbies and Interests
- Trying out new food and eateries as a food blogger (Instagram @EatLikeABOS), outdoor runs, basketball
- Experimenting with code (Github @jinwkim / https://itsjinkim.com)