KEVIN W. LI

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EDUCATION

Dec. 2017	**NORTHWESTERN UNIVERSITY**	Evanston, IL

Bachelor of Science in *Music*, Double Major in *Computer Science*
Relevant Coursework: Data Structures, Algorithms, Machine Learning, Databases, Software Development
GPA: 3.74/4.00

EXPERIENCE

June 2017 – Aug. 2017	**Spot Trading LLC – *Software Development Intern***	Chicago, IL

- Collaborated with traders weekly and made codebase changes to enhance user-interface experience and improve search efficiency
- Parsed incoming data from 3 different exchanges and translated into readable message types to be consumed by trading algorithms with C++ and Rust
- Created Python scripts to automate regression testing for 2 trading applications
- Offered feedback and participated in 5+ code reviews per week to ensure quality, high-performance code is pushed to production
- Developed projects in teams using technical project management methodologies, including agile and scrum

June 2016 – Sept. 2016	**Alcoa/Arconic – *Process Control Systems Engineering Intern***	Davenport, IA

- Implemented an Apache reverse proxy for 7 servers and 40+ projects to facilitate company split and improve network security
- Standardized webpage layouts for process control system data as a part of a larger upgrade process from existing proprietary systems to standard HTML5 and CSS
- Created a video conversion function to improve performance, providing a 75% CPU stress reduction when converting quenching process videos for maintenance reports
- Wrote a dynamic C program to help maintenance workers create printable report of thermocouple offsets and tuning parameters for 5 different heat treat furnaces

June 2015 – Present	**Northwestern University Library – *Multimedia Services***	Evanston, IL

- Reconcile and record 50+ audiovisual materials on a weekly basis to expedite flow of information to other library departments
- Supply an expert understanding of audiovisual materials to 100+ patrons a week and locate optimal resources for patron projects

PROJECTS

Mar. 2017	**Harmonious Monk – *Northwestern University EECS 352 Final Project***	Evanston, IL

- Teamed up with 2 student developers to design a Python application that produces automatic jazz harmonization given a monophonic melody or speech
- Developed a pitch tracker with 85% accuracy based upon Yin's pitch tracking algorithm to transcribe notes perceived in a user's voice recording
- Constructed a high-quality landing page utilizing Go and GitHub Pages to inform users with further details on design choices and project architecture

Nov. 2015	**Jiffy Print – *Walgreens Photo API Contest Winner, Northwestern Wildhacks***	Evanston, IL

- Collaborated with 2 teammates to design a NodeJS web application harnessing Walgreen's Photo API and Postmates' API to provide easier access to printing and receiving internet images
- Developed front-end of web-app utilizing Twitter Bootstrap and GitHub Pages

LEADERSHIP

Sept. 2013 – June 2017	**Bienen School of Music – *Chamber Music 1st Violin, Violin Performance***	Evanston, IL

- Directed 4 other musicians in weekly rehearsals to prepare for performances and weekly coaching
- Practiced 30+ hours per week to maintain and further enhance violin skills and techniques

July 2014 – Aug. 2014	**Credo Chamber Music Festival – *Camp Counselor***	Chicago, IL / Oberlin, OH

- Led and organized daily activities for 80 resident campers to foster community growth
- Taught violin lessons and coached 3 chamber music groups on rehearsal/performance techniques in preparation for concerts including a performance at Severance Hall

SKILLS & INTERESTS

Technical: Proficient with C#, Python, Git, HTML5, CSS, Windows OS, Unix/Linux
Familiar with C++, Rust, JavaScript, PHP, Bash, Ruby, Racket, SQL, Go
Language: English (Native), Mandarin (Proficient), French (Basic)
Honors: Eagle Scout, National Youth Orchestra USA 2013
Interests: Violin, Piano, Traveling, Languages, Running, Film, Writing, Soccer