

Kevin Rayfeng Li

kevin.li@columbia.edu • (650) 387-2503 • 925 Moreno Ave, Palo Alto, CA 94303 • <http://www.columbia.edu/~krl2134/home/>

EDUCATION

Columbia University, School of Engineering and Applied Science

May 2020 (Expected)

BS in Computer Science (Intelligent Systems Track) & Minor in East Asian Languages and Cultures

GPA: 3.84

Relevant Coursework: Natural Language Processing, AI, Advanced Programming, UI Design, Data Structures & Algorithms

PROFESSIONAL EXPERIENCE

VICE Media, Engineering Intern

Jun 2018 – Present

Revamped presentation of podcasts on web, made contributions to pages reaching 30 million unique viewers weekly

- Perform user research, analytics, competitive analysis to design and develop technical prototypes for web player, landing page and entry points
- Developed podcast web player, entry points, and landing page from mockups on a branch of VICE's front end repository using TypeScript React/Redux/Express and explored options for back-end integration using MySQL
- Presented solution and prototype at company all-hands as well as to key stakeholders for future work and live A/B testing to evaluate improvement in impressions
- Made significant contributions to client-facing pages, component and smoke testing for continuous integration, and accessibility/responsiveness on different browsers and locales using TypeScript React/Redux, Express, Stylus

Columbia Daily Spectator, Website Development Lead

Sept 2016 – Present

Manage team of 7 developers to build and maintain columbiaspectator.com, reaching 100,000+ pageviews weekly

- Design and develop interactives, images, video, and graphics along with Lead Editor-in-Chief and 5 other section editors to enhance journalistic storytelling
- Led effort to design and launch over 12 pages and templates under tight deadlines to align with news cycles, launching Spectrum and the Eye, verticals with unique landing, article, and topic pages in under a week
- Conceived and currently organizing the first Spectator hackathon, leading effort to partner with sponsors through networking at conferences, cold calling and emailing
- Conceived and leading Spectator's data visualization team to tell data-driven stories using D3.js, recruiting and training engineering talent to work alongside journalists in using data to report on campus issues
- Migrated columbiaspectator.com from Drupal to the Washington Post's Arc CMS in 3 weeks by building over 90 features and page templates using HTML, CSS, JSP, and Javascript

Neuvector Inc., Software Development Intern

Jun – Aug 2017

Addressed needs for scalability of product and created technical procedures still used at Silicon Valley tech start-up

- Helped conceive client needs for Layer 7 (Application layer) network security for Docker container applications
- Pitched 3 technical solutions and workarounds to CTO and CEO—2 implemented and 1 partially implemented
- Presented solutions to core engineering team of 8 people on rolling update deployment of Rancher, Kubernetes, and OpenShift, using Unix scripting in order to scale product to run on multiple Docker containers
- Wrote bash scripts to automate testing for security protocols and automated reports to Slack, utilizing Jenkins plugins and interfacing with Slack, freed lead engineer from doing this report manually

Stanford University Department of Physics, Research Assistant

Jun – Aug 2015

Worked closely with PhD student in studying Renyi entropy as a model for quantum entanglement

- Implemented calculation of Renyi entropy using path integral Monte Carlo using C++ with GSL and several math libraries, boosting efficiency of PhD research in quantum entanglement

SKILLS AND INTERESTS

- Programming languages: Python (Tensorflow, Numpy), Javascript (jQuery, D3, React, Typescript, Express), Java, C/C++, Mathematica, HTML (Nunjucks, JSP), CSS (Stylus), PHP, Bash scripting
- Technical Experience: Machine Learning, TCP/IP, HTTP, MySQL, MongoDB, Docker, Unix, Mocha/Enzyme
- Development tools: Git/Github, Virtualbox, VMWare, Jira, Trello, and Jenkins
- Design: Sketch, Adobe Photoshop, Adobe Illustrator, charcoal, pencil, pastels, tablet illustration
- English; Mandarin Chinese (full professional); Japanese (limited professional); Korean, German (elementary)
- Interests: Graphic design, video game design, tennis, badminton, guitar, pool, Chinese traditional music