Kevin Yang

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Personal Profile
- Computer Science senior seeking full-time software engineering positions starting May 2020

Education
- **University of Colorado Boulder (May 2020)**   Aug 2016 – Present
  Bachelor's degree in Computer Science, minor in Information Science
  Cumulative GPA: 3.8, major-specific: 3.92

Technical Skills
- Python (numpy, pandas, matplotlib, PyAutoGUI, discord.py), C/C++ (SFML, SDL2), HTML/CSS, Javascript (jQuery, d3), Golang, Java, Markdown, LaTeX, PHP, MySQL, MongoDB, Bash, SystemVerilog, x86 Assembly, Linux, Git, Phabricator, Jupyter Notebook, Filezilla, Vim, Visual Studio, Microsoft Office, Adobe Suite (Photoshop, Illustrator)

Experience
- **Ricoh USA, Inc., Software Engineering Intern**   May 2019 – Aug 2019
  - Researched optimizing a performance bottleneck through high performance distributed filesystem Lustre
  - Ran performance tuning over NFS with RDMA using a python utility on printer racks, timing network speeds using different print jobs and mounting different machines
- **University of Colorado Boulder, Course Assistant**   Jan 2018 – May 2019
  - Taught various data structures (linked lists, queues, stacks, binary search/red-black trees, hash tables, graphs: BFS, DFS, Dijkstra's algorithm), implementation in C++
  - Tutored students on critically thinking through discrete mathematics, probabilities, Python coding exercises, number and graph theory
- **Brightgate Inc., Software Engineering Intern**   Jun 2018 – Aug 2018
  - Developed a Golang utility on a Raspberry Pi to scan and probe IoT device ports with default passwords, for detection of security vulnerabilities
  - Implemented multiple Python webscrapers for fetching and parsing various MSP lists
  - Created custom task configuration file for speedup of workflow in Visual Studio Code
- **University of East-West Medicine, Graphic Design/Webdev Intern**   Jun 2017 – Jul 2017
  - Maintained school website by updating information, adding new menus/layouts and event photos (Filezilla, Adobe Dreamweaver, HTML/CSS, Javascript, PHP)
  - Designed brochures, flyers, newspaper ads/coupons using Adobe Photoshop/Illustrator
- **Boulder Crime Explorer (Project)**   Feb 2018
  - Winner of hackathon T9 Hacks 2018, Best UI/UX + Best use of an API (https://devpost.com/software/boulder-crime-explorer)
  - Created crime heatmap visualization in Boulder, CO with search links and graphs based on categories and frequency throughout the year
  - Used Mapbox API (map navigation), d3.js (graphs, data visualization)
- **chat-filter-bot (Project)**   Jun 2019
  - Discord.py moderation server bot written for Discord's Hack Week event
  - Automatically detects and deletes profane chat messages, with mute/kick user commands

Activities
- **HackCU, Finance Director, Former Director of Marketing**   2016 – Present
  - Director of annual student-led 24 hour hackathon, 600+ attendees in 2018