

# Kevin Yang

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## Personal Profile

- Third year computer science student willing to learn quickly and contribute to a project.

## Education

- University of Colorado Boulder (May 2020) 2016 - Present  
Bachelor's degree in Computer Science, minor in Information Science  
Cumulative GPA: 3.84, Credit-Hours: 117
- Air Academy High School - Summa Cum Laude 2012 – 2016  
GPA: 3.83, ACT: 36, Principal's Honor Roll 4 years, National Honor Society member

## Technical Skills

- Python (numpy, pandas, matplotlib, PyAutoGUI), C/C++ (SFML, SDL2), HTML/CSS, Javascript (jQuery, d3, React), Golang, Java, Markdown, LaTeX, PHP, SQL, Bash Scripting, x86 Assembly
- Vim, Git/Github, Jupyter Notebook, Apache HTTP server, Mapbox, Filezilla, Windows/macOS/Linux (Ubuntu), Visual Studio, Microsoft Office, Adobe Suite (Photoshop/Illustrator), GIMP

## Experience

- **Brightgate Inc., Software Engineering Intern** June 2018 – August 2018
  - Created a Golang utility on a Raspberry Pi to scan and probe IoT device ports with default passwords, for detection of security vulnerabilities
  - Created custom task configuration file for speedup of workflow in Visual Studio Code
  - Implemented Python webscraper for fetching and parsing lists of MSPs
- **University of Colorado Boulder, Course Assistant** Jan 2018 – May 2018
  - 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 various problems, answered questions and walked through concepts during weekly office hours
- **University of East-West Medicine, Graphic Design/Webdev Intern** June 2017 – July 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)**
  - Won T9 Hacks 2018, Best UI/UX and Best use of API (<http://bouldercrime.info/>)
  - Created crime heatmap visualization in Boulder, CO with search links, graphs based on categories and frequency throughout the year
  - Used Mapbox API (map navigation), d3.js (graphs, data visualization)
- **GankBot (Project)**
  - Discord bot in Python with support for text commands, music streaming, reddit RSS feeds, and sound effects on demand

## Activities

- **HackCU, Director of Marketing** 2016 – Present
  - One of the directors of annual student-led 24 hour hackathon, 600+ attendees in 2018
- **Startups2Students, Organizer** 2016 – Present
  - Organizer of bi-annual event, helping local startups to reach out to students for internships/jobs