Bum Soo Kim

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Education

University of Colorado, Boulder, CO - B.A. in Computer Science (Expected May, 2020)

Skills

Linux enthusiast, quick learner, experience with monitoring software

Workflow: Linux, Git, Github, Agile

Linux-related skills: bash, grep, sed, awk, vi/vim

Programming languages: Python, Ruby, MySQL, Java, C++, Scala, C

Markup/Style languages: HTML, CSS, LaTeX

Foreign Languages: Spanish, Korean, Japanese (beginner)

Professional Experience

Monitoring Administrator - OIT, CU Boulder (2016-2018)

Wrote git hooks using Ruby to automatically check Nagios configuration files for correct syntax and structure whenever a user pushed any changes upstream. Distributed files across multiple machines using Merlin. Stood up git hosts using Gitolite.

Undergraduate Research Assistant - That-Recsys-Lab, CU Boulder (2019-2020)

Built a recommender system fairness evaluator in LibRec, a Java library for recommender systems. Wrote a configuration checker in librec-auto, a Python wrapper around LibRec.

Projects

SHE - Software Development Project (Spring 2017)

Worked in a team of 5 to create a "fake girlfriend" following the Agile methodology. Built a Rails app that integrated the Twitter, Facebook, and Twilio APIs. Worked on the UI using SCSS and Javascript within the Rails app.

HackCU Hackathon

Spring 2017: Created a Reddit bot in Python that replied to comments that contained the phrase "me too".

Spring 2016: Compared "government watchlist keywords" with users' Twitter feeds.

Binary code color game - Intro to Programming Project (Fall 2015)

Created a game using Pygame where the user matched a color with its corresponding binary code.

Augmented Reality Workshop Exhibition (Summer 2013)

Worked in a team of 6 to create an exhibition about Facebook privacy. Used Wikitude mobile app to process the augmented reality Facebook app built in JavaScript which interacted with the art pieces.

Relevant projects

Hosted a website and an FTP server on a Raspberry Pi on Raspbian.

Built a budget app using Python and SQLite.

Leadership Experience

Course Assistant (Summer 2017)

Helped students with their assignments for "Software Development Methods and Tools" and "Discrete Structures".

Programming Club Founder (2014-2015)

Founded and led the programming club in high school. Simultaneously learned Python and taught it to club members.

Activities

President, CU Swing Dance Club (2019 - Present)

Software lead, CU Hyperloop (2017-2018)