Kei Nakagawa

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Education

Brown University

Sc.B. in Computer Science and Psychology, expected May 2017

Current GPA: 3.90 / 4.00

Relevant Courses: Software Engineering, Computer Systems Security, Computer Systems, Building Intelligent Robots, UI Design, Algorithms, Computational Vision, Data Science

Work Experience

Google   Summer 2016

Software Engineering Intern

- Doing interesting work on the GVC team.

Google   Summer 2015

Software Engineering Intern

- Added the cell border selection menu feature to Google Docs Desktop
- Worked with PMs and engineers in the Docs and Slides teams to better refactor code, choose smart and extensible architecture, and increase consistency and improve user experience across the editors.
- Developed experience with Javascript, Closure, CSS, and internal Google development tools

Brown University Dept. of Computer Science   Fall 2014 - Present

Teaching Assistant, Consultant

- Positions: CS16 Head TA (Spring '16), CS15 (Fall '14, '15, '16), CS16 (Spring '15) UTA, Sun Lab Consultant
- Lead a staff of 25 UTAs, coordinated responsibilities and communications between course professor, TAs and students as Head TA for CS16
- Implemented major course changes including a transition from Java Swing to JavaFX for CS15, developed new assignments, held office hours and graded assignments
- Led labs on topics including Linux, Java, Python, program design, and file permissions.

UPenn School of Medicine, Functional Genomics Core   Summer 2014

Web Development Intern

- Developed a web application to simulate and visualize the library construction process of genetic sequences via a command line interface for the Core's clients, implementing sequence alignment algorithms

Skills

Programming Languages & Tools: Java, Javascript/Closure/JQuery, Python, MATLAB, C, Golang, HTML, CSS, SQL, Git, Maven, JUnit, Eclipse, Markdown, LaTeX

Projects

- Dragon - a web app to collaboratively plan and visualize tasks within a large project.
- Shell - a UNIX shell implementation for Computer Systems class
- KarenGetz.com - Designed and developed a website for the client's choreography work which dynamically loads new posts from Tumblr feeds' JSON data
- Pac-Man - A mirror of Pac-man using Java's swing graphics library