Seokhyeon Ryu

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Education

University of California, Berkeley   *May 2018*
- o B.S., Electrical Engineering and Computer Sciences
- o Coursework: Data Structures, Artificial Intelligence, Database Systems, Internet Architecture, Computer Security, Operating Systems, Machine Learning, Entrepreneurship

Experience

The Daily Californian, *Projects Developer*   *Feb 2017 – May 2018*
- o Skills: *Python, NumPy, JavaScript, D3.js, Node.js, GIS, HTML/CSS, Adobe Illustrator*
- o Combined multidisciplinary skillset in data analytics, webdev, graphic design, and journalism to write and publish original news stories
- o Built interactive data visualizations in clear and creative charts and maps

ProductBio, *Software Engineering Intern*   *May 2017 – Aug 2017*
- o Skills: *Django, Python, JavaScript, AngularJS, D3.js, SQL, AWS, HTML/CSS*
- o Devised algorithms for minimizing environmental impact of supply-chain decisions
- o Designed and developed an analytics dashboard UX with data graphs and an intuitive search
- o Streamlined DevOps cycle for more efficient deployment to application
- o Wrote documentation and unit testing for existing codebase

The Design Exchange, *Full Stack Developer*   *Sept 2016 – May 2018*
- o Skills: *Ruby on Rails, JavaScript, HTML/CSS*
- o Improved online text editor for writing, drafting, reviewing and publishing design methods
- o Conducted usability testing based on research-backed protocols
- o Implemented new site themes and screen-responsive design from scratch

Projects

Bus Delays   *Aug 2017 – Nov 2017*
- o Polled RESTful APIs and analyzed the public data to evaluate bus performance near UC Berkeley
- o Published in *The Daily Californian* as an interactive-graphic story titled "Berkeley's Most Unpredictable Buses" (See: projects.dailycal.org/2017/bus-delays)

Pintos   *Jan 2017 – Apr 2017*
- o Skills: *C*
- o Started with Pintos, a simple operating system, and added features: multi-threaded processing, ability to parse command-line arguments and system calls, and advanced file management

Gitlet   *Feb 2015 – Mar 2015*
- o Skills: *Java*
- o Implemented a smaller version of *Git*, the version control system, with basic features: staging, committing, logging, branching, and merging

Leadership

Institute of Electrical & Electronics Engineers, Berkeley, *Professional Development Officer* *Jan 2017 – May 2018*
- o Organized and hosted professional networking events

Kiwanis Circle K, Berkeley, *Board Chair and Webmaster*   *Apr 2015 – Mar 2016*
- o Lead committee for engaging students in community volunteering through online initiatives