

Patrick Yoon

Software engineer

about

me@patyoon.com
www.patyoon.com
github.com/patyoon

languages

English, Korean

programming

Ruby, Python,
Java, C/C++,
JavaScript,
Haskell

experience

03 14' -

Airbnb Inc.

Software Engineer

- Built a framework for storing all non-users created by various channels and tracking their notification subscription settings.
- Designed and built a micro-service for scheduling, prioritizing, and sending promotional emails and push notifications.
- Designed and built a micro-service for translation backend that improves scalability and reliability of the existing architecture.
- Taught a class on internationalization framework at Airbnb to all incoming engineers for two years.
- A member of the Sysops team, Airbnb's incident-response organization.

08 13' - 02 14'

TellApart Inc.

Software Engineer

- Developed ad campaign management and audience targeting tool including migrating campaign configurations, defining domain-specific language for targeting rules, and optimizing campaign budgeting.
- Other projects include: offline data aggregation, experimentation with new ad formats, and canonicalization of product categories.

05-08 12'

Microsoft Bing

SDE Intern

- Built a classifier for deciding query intent in Bing Local Search Team that outperforms the existing classifier by 8.5% in precision and recall on a sample query set.
- Experimented with ways of mining training data and semi-supervised approaches to label them and compared end-to-end metrics.

06-09 11'

Google Inc.

Software Engineering Intern

- Developed a internal framework that periodically updates visualization for various statistics for AdWords advertisement formats.
- Implemented a new Search Ads format in Media Ads team and plugged into Google Web Server.

education

2012-2013

University of Pennsylvania

M.S.E. in Computer Science

Philadelphia PA, USA

2008-2012

University of Pennsylvania

B.S.E. in Computer Science

Philadelphia PA, USA

2005-2008

Korea Science Academy

High School

Busan, South Korea

projects

2011	DJ Feed djfeed.com <ul style="list-style-type: none"> • Developed an Android application that allows users to request or vote on upcoming songs to influence the playlist at a party. Developed with a team of two people. Users can rate the now playing song to give feedback to DJ, or check the playlist and ratings at other venues. • DJ's can manage the playlist and view users' votes and feedback on desktop application. • Won "Biggest Potential award," for application that shows greatest business potential out of 30 total teams.
2011	Bang Search Engine patyoon.com/bang <ul style="list-style-type: none"> • Developed a distributed, scalable web crawler for a peer-to-peer implementation of a search engine with indexing and ranking with team of four people. • Analyzed performance varying number of nodes and threads running on a node.

Scholarship

2012	Google Lime Scholarship for Students with Disabilities Mountain View, CA <ul style="list-style-type: none"> • \$10,000 awarded based on the strength of candidates' academic background and demonstrated passion for computer science. • Awarded to 14 students.
2008	Korea Presidential Science Scholarship Seoul, South Korea <ul style="list-style-type: none"> • Full undergraduate tuition scholarship awarded based on candidates' academic background and research experiences. • awarded to ten students annually.