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, Git

experience

03 14' -   **Airbnb Inc.**   Software Engineer
- Growth Team.

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 out-performs 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**   Philadelphia PA, USA
M.S.E. in Computer Science

2008–2012   **University of Pennsylvania**   Philadelphia PA, USA
B.S.E. in Computer Science

2005–2008   **Korea Science Academy**   Busan, South Korea
High School

projects

| 2011 | **DJ Feed** | djfeed.com |

- 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 |

- 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 |

- $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 |

- Full undergraduate tuition scholarship awarded based on candidates' academic background and research experiences.
- awarded to ten students annually.