

# 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 from 2014 to 2016.

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

## Scholarship

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