

# PATRIK ACKLAND

<http://packlnd.github.io>  
<https://github.com/packlnd>  
patrikackland@gmail.com (206) 890-8507  
**Graduating in June 2017.**

## Education

<b>University of Washington</b> , Seattle, WA	<i>2015–(2016)</i>
<ul style="list-style-type: none"><li>– <b>Exchange</b>, Computer Science.</li><li>– Highly competitive selection process. Only one student from my university admitted every year.</li></ul>	
<b>KTH Royal Institute of Technology</b> , Stockholm, Sweden	<i>2015–(2017)</i>
<ul style="list-style-type: none"><li>– <b>MS</b>, Computer Science.</li></ul>	
<b>KTH Royal Institute of Technology</b> , Stockholm, Sweden	<i>2012–2015</i>
<ul style="list-style-type: none"><li>– <b>BS</b>, Computer Science, GPA: 4.8/5.0.</li></ul>	

## Experience

<b>Yelp, Software Engineering Intern</b> , San Francisco, CA	<i>Summer 2016</i>
<ul style="list-style-type: none"><li>– Full-stack development on the Yelp Reservations Diner team.</li><li>– Launched <a href="http://www.yelp.com/reservations/biz-alias">www.yelp.com/reservations/biz-alias</a>.</li><li>– Highly visible changes exposed to thousands of users.</li></ul>	
Skills: Python, JavaScript	
<b>Scania, Software Engineering Intern</b> , Södertälje, Sweden	<i>Summer 2015</i>
<ul style="list-style-type: none"><li>– Continued developing project from the previous year.</li><li>– Added several new features including digital envelope cryptography using open-ssl.</li></ul>	
Skills: C, C++, Cryptography, MATLAB.	
<b>KTH Royal Institute of Technology, Teaching Assistant</b> , Stockholm, Sweden	<i>2013–2015</i>
<ul style="list-style-type: none"><li>– Teaching programming and algorithms to 15 computer-science students.</li><li>– Grading weekly assignments and supervising month-long project at the end of the course.</li></ul>	
Skills: Java, Go, Theoretical computer science.	
<b>Scania, Software Engineering Intern</b> , Södertälje, Sweden	<i>Summer 2014</i>
<ul style="list-style-type: none"><li>– Developed software for logging road and vehicle data in trucks.</li><li>– The software replaced commercial software saving thousands of dollars.</li></ul>	
Skills: C, C#, Agile development.	

## Projects

15+ projects at <https://github.com/packlnd>

<b>Compiler in Scala</b> , project course	<i>Scala</i>
<ul style="list-style-type: none"><li>– Compiles a subset of Scala to JVM bytecode.</li><li>– Handwritten lexer, parser, name analyzer and type checker.</li><li>– Supports Java-like generics through type erasure.</li></ul>	
<b>Floor lamp controller</b> , personal project	<i>Electrical Engineering, Python, Swift</i>
<ul style="list-style-type: none"><li>– Controlling my floor lamp through an iPhone app and a Raspberry Pi webserver.</li><li>– Raspberry Pi is soldered to a wall socket remote which controls the lamp.</li></ul>	
<b>TourIt, HackTech 2016</b> , virtual reality project from hackathon	<i>Python, Virtual Reality, Unity</i>
<ul style="list-style-type: none"><li>– AirBnB like virtual reality tour guide website.</li><li>– Match up with locals that give you an audio tour of their city.</li><li>– Uses Oculus Rift and 360 degrees photosphere images to make it seem like you are there.</li></ul>	
<b>Picture-of-pictures</b> , personal project	<i>Ruby, JavaScript</i>
<ul style="list-style-type: none"><li>– Replaces each pixel in an image with an image whose dominant color is closest to the color of the pixel.</li><li>– Choosing better data structures reduced running time by 90%.</li></ul>	

## Programming

Main: **Java (6 years), Python (2 years), C++ (2 years)**      Other: Android, JavaScript, Scala, Ruby, C#, Go

## Leadership Experience

<b>Head of Sponsor, International Reception, KTH</b>	<i>2014–2014</i>
<ul style="list-style-type: none"><li>– Spent six months together with 13 other students planning the international reception.</li><li>– Welcomed over 2000 students during four arrival days and planned a month of activities.</li></ul>	
<b>President of the Education Committee, KTH</b>	<i>2013–2014</i>
<ul style="list-style-type: none"><li>– Nominated by my predecessor because of my involvement the previous year.</li><li>– Meetings with students and faculty to discuss courses and the computer science department.</li></ul>	

## Awards

---

### **Henrik Göransson Sandviken Scholarship**

*2015*

- Awarded scholarship for academic achievements at KTH Royal Institute of Technology.
- Selection based on GPA. Awarded to 90 students in total from all majors at the university.