

PATRIK ACKLAND

<http://packlnd.github.io>
<https://github.com/packlnd>
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Graduating in June 2017.

Education

KTH Royal Institute of Technology , Stockholm, Sweden	<i>2015–(2017)</i>
– MS, Computer Science.	
University of Washington , Seattle, WA	<i>2015–2016</i>
– Exchange , Computer Science.	
– Highly competitive selection process. Only one student from my university admitted every year.	
KTH Royal Institute of Technology , Stockholm, Sweden	<i>2012–2015</i>
– BS, Computer Science, GPA: 4.8/5.0.	

Experience

Yelp, Software Engineering Intern , San Francisco, CA	<i>Summer 2016</i>
– Full-stack development on the Yelp Reservations Diner team.	
– Launched www.yelp.com/reservations/{biz-alias} .	
– Highly visible changes exposed to thousands of users.	
Skills: Python, JavaScript	
Scania, Software Engineering Intern , Södertälje, Sweden	<i>Summer 2015</i>
– Continued developing project from the previous year.	
– Added several new features including digital envelope cryptography using open-ssl.	
Skills: C, C++, Cryptography, MATLAB.	
KTH Royal Institute of Technology, Teaching Assistant , Stockholm, Sweden	<i>2013–2015</i>
– Teaching programming and algorithms to 15 computer-science students.	
– Grading weekly assignments and supervising month-long project at the end of the course.	
Skills: Java, Go, Theoretical computer science.	
Scania, Software Engineering Intern , Södertälje, Sweden	<i>Summer 2014</i>
– Developed software for logging road and vehicle data in trucks.	
– The software replaced commercial software saving thousands of dollars.	
Skills: C, C#, Agile development.	

Projects

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

Compiler in Scala , project course	<i>Scala</i>
– Compiles a subset of Scala to JVM bytecode and supports Java-like generics through type erasure.	
– Handwritten lexer, parser, name analyzer and type checker.	
Floor lamp controller , personal project	<i>Electrical Engineering, Python, Swift</i>
– Controlling my floor lamp through an iPhone app and a Raspberry Pi webserver.	
– Raspberry Pi is soldered to a wall socket remote which controls the lamp.	
TourIt, HackTech 2016 , virtual reality project from hackathon	<i>Python, Virtual Reality, Unity</i>
– AirBnB-like virtual reality tour guide website, matches tourists with locals that give an audio tour of their city.	
– Uses Oculus Rift and 360 degrees photosphere images to make it seem like you are there.	
Picture-of-pictures , personal project	<i>Ruby, JavaScript</i>
– Replaces each pixel in an image with an image whose dominant color is closest to the color of the pixel.	
– Choosing better data structures reduced running time by 90%.	

Programming

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

Leadership Experience

Head of Sponsor, International Reception, KTH	<i>2014–2014</i>
– Spent six months together with 13 other students planning the international reception.	
– Welcomed over 2000 students during four arrival days and planned a month of activities.	
President of the Education Committee, KTH	<i>2013–2014</i>
– Nominated by my predecessor because of my involvement the previous year.	
– Meetings with students and faculty to discuss courses and the computer science department.	

Awards

Henrik Göransson Sandviken Scholarship	<i>2015</i>
– 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.	