

PATRIK ACKLAND

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

Education

University of Washington , Seattle, WA	2015–(2016)
– Exchange , Computer Science, GPA: 3.8/4.0	
– Highly competitive selection process. Only one student from my university admitted every year.	
KTH Royal Institute of Technology , Stockholm, Sweden	2015–(2017)
– MS, Computer Science	
KTH Royal Institute of Technology , Stockholm, Sweden	2012–2015
– BS, Computer Science, GPA: 4.8/5.0	

Experience

Yelp, Software Engineering Intern , San Francisco, CA	Summer 2016
Backend development in Python	
Skills:–	
Scania, Software Engineering Intern , Södertälje, Sweden	Summer 2015
– Continued developing project from the previous year.	
– Implemented requests from teams within the company.	
– 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	2013–2015
– 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	Summer 2014
– 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 <http://packlnd.github.io>

Compiler in Scala , project course	Scala
– Compiles a subset of Scala to JVM bytecode.	
– Handwritten lexer, parser, name analyzer and type checker.	
– Supports Java-like generics through type erasure.	
TourIt, HackTech 2016 , virtual reality project from hackathon	Python, Virtual Reality, Unity
– AirBnB like virtual reality tour guide website where you match up with locals that give you a tour of their city.	
– Uses Oculus Rift and 360 degrees photosphere images to make it seem like you're there.	
Picture-of-pictures , personal project	Ruby, JavaScript
– 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)**, **Android (2 years)**, **C++ (2 years)** Other: Python, JavaScript, Scala, Ruby, C#, Go

Leadership Experience

Head of Sponsor, International Reception, KTH	2014–2014
– 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	2013–2014
– 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	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.	