

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

Experience

Yelp, Software Engineering Intern , San Francisco, CA – Full-stack development on the Yelp Reservations diner growth team. – Helped launch www.yelp.com/reservations/{biz-alias} . – Won <i>Most useful project</i> at Yelps internal hackathon. Skills: Python, JavaScript.	Summer 2016
Scania, Software Engineering Intern , Södertälje, Sweden – Continued developing project from the previous year. – Added several new features including digital envelope cryptography using open-ssl. Skills: C, C++, Cryptography, MATLAB.	Summer 2015
KTH Royal Institute of Technology, Teaching Assistant , Stockholm, Sweden – 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.	2013–2015
Scania, Software Engineering Intern , Södertälje, Sweden – Developed software for logging road and vehicle data in trucks. – The software replaced commercial software saving thousands of dollars. Skills: C, C#, Agile development.	Summer 2014

Projects

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

Compiler in Scala , project course – Compiles a subset of Scala to JVM bytecode. Supports Java-like generics through type erasure. – Handwritten lexer, parser, name analyzer and type checker.	Scala
Lamp controller , personal project – Controls my floor lamp through an iPhone app and a Raspberry Pi web server. – The Raspberry Pi is soldered to a wall socket remote which controls the lamp.	Electrical Engineering, Python, Swift
TourIt, HackTech 2016 , virtual reality project from hackathon – AirBnB-like virtual reality tour guide website. – Uses Oculus Rift and 360 degrees photosphere images to make it seem like you are there.	Python, Virtual Reality, Unity
Picture-of-pictures , personal project – 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%.	Ruby, JavaScript

Programming

Main: **Java (7 years)**, **C++ (3 years)**, **Python (2 years)** Other: Android, JavaScript, Scala, Ruby, C#, Go

Leadership Experience

Head of Sponsor, International Reception, KTH – 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.	2014–2014
President of the Education Committee, KTH – Nominated by my predecessor because of my involvement the previous year. – Meetings with students and faculty to discuss computer science courses.	2013–2014

Awards

Henrik Göransson Sandviken Scholarship – 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.	2015
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