

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 *2015–(2017)*
– MS, Computer Science.

University of Washington, Seattle, WA *2015–2016*
– **Exchange**, Computer Science.
– Highly competitive selection process. Only one student from my university admitted every year.

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*
– Full-stack development on the Yelp Reservations diner growth team.
– Helped launch www.yelp.com/reservations/{biz-alias}.
– Won *Most useful project* at Yelps internal hackathon.
Skills: Python, JavaScript.

Scania, Software Engineering Intern, Södertälje, Sweden *Summer 2015*
– 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 *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 <https://github.com/packlnd>

Compiler in Scala, project course *Scala*
– Compiles a subset of Scala to JVM bytecode. Supports Java-like generics through type erasure.
– Handwritten lexer, parser, name analyzer and type checker.

Lamp controller, personal project *Electrical Engineering, Python, Swift*
– 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.

TourIt, HackTech 2016, virtual reality project from hackathon *Python, Virtual Reality, Unity*
– AirBnB-like virtual reality tour guide website.
– Uses Oculus Rift and 360 degrees photosphere images to make it seem like you are 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 (7 years)**, **C++ (3 years)**, **Python (2 years)** Other: Android, 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 computer science courses.

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.