

PATRIK ACKLAND

<http://packlnd.github.io>

<https://github.com/packlnd> (100+ days commit streak)

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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 2012–2017

- **BS/MS**, 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.

Other

Clubs: UW photography club, education committee, business-relations group, international reception.
Interests: photography, guitar.