

PATRIK ACKLAND

<http://packlnd.github.io>
<https://github.com/packlnd>
patrikackland@gmail.com +46 734 199 318
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 growth team. | |
| – Helped launch www.yelp.com/reservations/{biz-alias} . | |
| – Won <i>Most useful project</i> at Yelps internal hackathon. | |
| 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. Supports Java-like generics through type erasure. | |
| – Handwritten lexer, parser, name analyzer and type checker. | |
| Lamp controller , personal project | <i>Electrical Engineering, Python, Swift</i> |
| – 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 | <i>Python, Virtual Reality, Unity</i> |
| – 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 | <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 (7 years)**, **C++ (3 years)**, **Python (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 computer science courses. | |

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. | |