

# Adam Golinski

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## EDUCATION

### UC BERKELEY

PHYSICS AND COMPUTER SCIENCE  
Year Abroad 2014-2015 | Berkeley, CA

### UNIVERSITY OF EDINBURGH

MPHYS COMPUTATIONAL PHYSICS  
Expected May 2016 | Edinburgh, UK  
Direct entry to the 2<sup>nd</sup> year of study  
First class honours expected

### AWARDS

2014 Class Medal  
2013 Certificate of Merit

### I LO IM. STANISLAWA STASZICA

Grad. May 2012 | Lublin, Poland  
International Baccalaureate

## COURSEWORK

Data Structures  
Great Ideas in Computer Architecture  
Efficient Algorithms  
Numerical ODEs and Applications  
Numerical Recipes  
Fourier Analysis and Statistics  
Quantum Information Science  
Quantum Mechanics  
Statistical Physics  
Research Methods

## LINKS

[linkedin.com/in/adamgol](https://www.linkedin.com/in/adamgol)  
[github.com/talesa](https://github.com/talesa)

## SKILLS

### PROGRAMMING

Over 5000 lines:

Java

Over 500 lines:

Python	C++	Neo4j
PHP	LaTeX	

Familiar:

Matlab	JavaScript	MySQL
Android	MongoDB	CSS

## EXPERIENCE

### UNIVERSITY OF EDINBURGH | SUMMER RESEARCH FELLOW

June 2014 – July 2014 | Edinburgh, UK

- Devised a distance metric for comparing metabolic pathways in the theoretical evolutionary space.
- Generated a graph model of their fitness landscape based on the pathway's flux.

### ECAS DISABILITY CHARITY | COMPUTER GROUP LEADING TUTOR

Feb 2013 – Jul 2014 | Edinburgh, UK

- Led 5 basic computer skills courses for a group of 6 physically disabled clients.

### SCIENCE. POLISH PERSPECTIVES CONFERENCE | IT OFFICER

May 2014 – Present | Oxford, UK

- The largest conference devoted to integrating Polish research community.
- Designed and supervised the registration process used by over 150 attendees.

### EDUCATION EMPLOYABILITY EMPOWERMENT SUMMIT

June 2014 – Present | Edinburgh, UK

- Took part in the project initiation and contributed to every aspect of the organisation process - from sponsorship applications to marketing strategy.
- Implemented an automated registration system used by 100 attendees.
- Managed attendee communication through Mailchimp.

### THE KINGS FOUNDATION | AMBASSADOR

Feb 2013 – Present

- Provided advice to Polish high-school students looking to study abroad.
- Successfully guided 3 students to apply for UK universities.

## SIDE PROJECTS

### STARTUP PROJECT

November 2013 - Present

- Startup aiming to improve secondary school science education by introducing modern software and affordable hardware for in-class experiments.
- Designed business model and worked on product development.
- Currently performing market research.
- Reached national stage of the Scottish Institute for Enterprise competition.

### YOLUNCH.ME

November 2014 | New Haven, CT

- Led a team of 4 (Berkeley, Penn State, Amherst) to develop a one-to-many communication application during 36h hackathon at Yale University.
- Used Yo, Facebook, MongoDB APIs and Flask backend.
- The application was deployed and we plan to attract first adopters soon.

### BIO-INSPIRED ROBOT

February 2014 | Edinburgh, UK

- Developed remote control software for computer and robot's microcontroller.
- Used Xbox360 controller as a robot remote.
- Software enabled transfer of the photos captured with robot's camera to the controlling computer using a bluetooth connection.