

# 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  
Introduction to Artificial Intelligence  
Technology Entrepreneurship  
Great Ideas in Computer Architecture  
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
Ruby		

## EXPERIENCE

### UNIVERSITY OF EDINBURGH | SUMMER RESEARCH FELLOW

June 2014 – July 2014 | Edinburgh, UK

- Won summer student scheme bursary for research in evolutionary biology.
- 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

February 2013 – July 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

February 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.