

# Adam Golinski

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## EDUCATION

### UC BERKELEY

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

### UNIVERSITY OF EDINBURGH

MPHYS IN 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 for Computational Physics  
2013 Certificate of Merit

### I LO IM. STANISLAWA STASZICA

Grad. May 2012 | Lublin, Poland  
International Baccalaureate

## LINKS

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

## 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  
Classical Mechanics  
Thermal and Statistical Physics  
Electromagnetism

## SKILLS

### PROGRAMMING

Over 5000 lines:

Java

Over 500 lines:

C++ • CSS • PHP • Python

Neo4j •  $\LaTeX$

Familiar:

Matlab • Android • MySQL

JavaScript • MongoDB

## EXPERIENCE

### SUMMER UNDERGRADUATE RESEARCH FELLOW

June 2014 – July 2014 | University of Edinburgh, UK  
Worked with **Barlomiej Waclaw** to investigate the evolution of metabolic pathways by exploring the fitness landscape using graph model.

### COMPUTER GROUP LEADING TUTOR

Feb 2013 – Jul 2014 | ECAS, Edinburgh, UK  
Led computer courses for physically disabled clients on variety of computer skills.

### SCIENCE. POLISH PERSPECTIVE CONFERENCE

May 2014 – Present | University of Oxford, UK  
The largest conference in the UK devoted to popularizing Polish science and research. Designed and supervised the registration process, administered the website.

### EDUCATION EMPLOYABILITY EMPOWERMENT SUMMIT

June 2014 – Present | University of Edinburgh, UK  
Took part in the initialisation of the project and contributed to almost every aspect of the organisation process - from sponsorship applications to marketing strategy. Implemented an automated registration process using several online services - Zapier, Paypal, Typeform, Mailchimp, Mailgun, Google Spreadsheet.

## SIDE PROJECTS

### STARTUP PROJECT

November 2013 - Present

Developing a startup aiming to improve secondary school science education by providing affordable, modern software and hardware for in class demonstrations and experiments.  
Designing business model, performing market analysis and work on hardware development.

### YOLUNCH.ME

November 2014 | YHack, Yale University, New Haven, CT

Led a team to develop a web application using Yo, Facebook, MongoDB APIs and Flask backend. Application was deployed and now is now waiting for market research.

### BIOBOT

February 2014 | University of Edinburgh, UK

Developed remote control software for both computer and microcontroller sides allowing to control the robot using Xbox 360 controller and transfer photos captured using camera mounted using the bluetooth connection.

## ORGANIZATIONS

### AMBASSADOR | THE KINGS FOUNDATION

Feb 2013 – Present

Providing information and advice for students from Poland looking for opportunities to study abroad.

### WEBMASTER | AFTER-HOURS ELECTRONICS CLUB

October 2013 – May 2014 | University of Edinburgh, UK  
Administering the club's wiki page in cooperation with University IT staff.  
Simple robotics projects.