Adam Golinski

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EDUCATION

UNIVERSITY OF EDINBURGH
MPhys Computational Physics
Expected graduation June 2016
Direct entry to the 2nd year of study
First class honours expected
Awards
2014 Class Medal for Junior Honours
2013 Certificate of Merit

UC BERKELEY
Physics and Computer Science
Year Abroad 2014 - 2015

I LO STANISLAWA STASZICA
Grad. May 2012 | Lublin, Poland
International Baccalaureate

COURSEWORK

GRADUATE
Social & Technological Networks
Machine Learning
Probabilistic Modelling & Reasoning
Reinforcement Learning
Robotics: Science & Systems
Sensorimotor Control

UNDERGRADUATE
Artificial Intelligence
Data Structures
Computer Architecture
Algebra & Calculus
Statistical Physics
Fourier Analysis & Statistics
Numerical ODEs & Applications
Quantum Information Science

LINKS

linkedin.com/in/adamgol
github.com/talesa
adamgol.me/

TECHNOLOGIES

Proficient:
  Java   Python
Familiar:
  numpy   scipy   matplotlib
  Pandas   git   MySQL
  Matlab   Spark   scikit-learn
  Spring   Neo4j   Elasticsearch
  C/C++   MongoDB   JavaScript
  CAD   prototyping

WORK EXPERIENCE

MCKINSEY & COMPANY | Business Analyst Intern
July 2016 - September 2016 | Warsaw, Poland
• Secured a position in management consulting for upcoming summer.

OPENTABLE | Software Engineering Intern
June 2015 - August 2015 | San Francisco, USA
• Created a production-ready data search microservice using Java Spring framework and Elasticsearch engine.
• Set up a database to elasticsearch replication system.
• Built trending dish detection by analysing the text of restaurant reviews.

ECAS DISABILITY CHARITY | Computer Group Leading Tutor
February 2013 - July 2014 | Edinburgh, UK
• Led 5 computer skills courses for a group of 6 physically disabled clients.

RESEARCH EXPERIENCE

UNIVERSITY OF EDINBURGH | Masters Dissertation
September 2015 - Present | Edinburgh, UK
• Investigating spatio-temporal crime patterns based on public police data.
• Visualising data on maps for data exploration and result presentation.
• Supervised by Professor Paul Palmer.

UNIVERSITY OF EDINBURGH | Summer Research Project
June 2014 - July 2014 | Edinburgh, UK
• Won summer student scheme bursary for research in evolutionary biology.
• Devised a distance metric for comparing metabolic pathways.
• Generated a graph model of fitness landscape based on pathway's flux.
• Supervised by Dr Bartlomiej Waclaw.

EXTRACURRICULAR PROJECTS

LABIFY | Cofounder & developer
November 2013 - Present | Edinburgh, UK | Austin, TX
• Designing science education data-acquisition equipment and software.
• Obtained provisional patent for the modular hardware design in the USA.
• Won NSF Small Business Innovation Research grant for development.

SCIENCE: POLISH PERSPECTIVES | IT Officer
April 2014 - Present | Oxford, UK
• Organised conference devoted to integrating Polish research community.
• Maintained website; designed and supervised the registration process.

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 36 hours hackathon at Yale University.
• Used Yo, Facebook, MongoDB APIs and Python Flask backend.

BIO-INSPIRED ROBOT
February 2014 | Edinburgh, UK
• Developed wireless remote control system to be used with xbox360 pad.
• Programmed the microcontroller to avoid inrush current in the motors.
• Set up wireless transfer of the robot's vision to the operator's screen.