

BUDMONDE DUINKHARJAV

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Github: budmonde

(617) 595-0424

EDUCATION

Massachusetts Institute of Technology (MIT)

Sep 2014 – present

Candidate for Bachelor of Science in Computer Science and Engineering | GPA: 4.6/5.0

Relevant Courses: Design and Analysis of Algorithms | Computer Systems Engineering | Real Analysis
Software Construction | Computational Structures | Electricity & Magnetism 2

WORK EXPERIENCE

OMRON Corporation, Kyoto, Japan

Jun 2016 – Sep 2016

Software Developer

- Designing a Deep Learning algorithm for 3D depth-image super-resolution using Convolutional Neural Networks
- Implementing, fine-tuning and evaluating the designed algorithm using Caffe on its Python interface
- "May" submit a paper on the designed algorithm to "some" Deep Learning Journal

6.148 (6.470) Web Programming Competition, MIT, Cambridge

Sep 2015 – present

President, Instructor, Lecturer

- Lead an official MIT recognized course over 1 month for ~150 students as part of the Teaching Staff.
- Taught lectures on Node.js/Express, HTML/CSS, Web Application Do's and Don'ts and a workshop on Creating a Web Application using Express for over a 100 students.
- Helped students out during Workshops, Office Hours and Piazza posts on topics such as the MongoDB, Node.js/Express, jQuery, AJAX, using APIs and more.
- Planning the course and managing staff members for the 2016-2017 Academic Year.

Global Studies and Languages, MIT, Cambridge

Feb 2015 – Jan 2016

Software Developer

- Developed UI/UX for 'AI Teacher', a Japanese Language Learning Engine targeted for Japanese language learners and Japanese language teachers.

China Educational Technology Initiative, China

Jun 2015 – Jul 2015

Lecturer, Instructor

- Lectured and lead workshops on: Data Collection and Analysis, Probability and Information Theory

AWARDS & ACHIEVEMENTS

6.148 (6.470) Web Programming Competition, MIT 1st Place, Main Division

Jan 2015

- Created a Ruby on Rails Web Application as a team of three in the duration of 3 weeks competing with over 60 teams which consisted of MIT and other local college students.
- Contributed mainly to Front End Web Development focusing on the UI/UX aspect of the Web Application.
- Web Application can be found at icanphysics.herokuapp.com. Disclaimer: project has been on hiatus since the end of the competition.

44th & 45th International Physics Olympiads (IPhO) Bronze and Silver Medals

Jul 2013 & Jul 2014

15th Asian Physics Olympiad (APhO) Bronze Medal

May 2014

SKILLS, CLUBS, ACTIVITIES & INTERESTS

Programming: C, Java, Python, JavaScript, MongoDB, Angular.js, Express, Node.js, Meteor

Languages: Conversant – Japanese, Russian, Native – Mongolian

Clubs: Technique – Photography Club, MIT Asian Dance Team, MIT Imobillare – Break Dancing Club