

BORIS TARATUTIN | BLANKSPACE DESIGNER

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EDUCATION

Franklin W. Olin College of Engineering - Needham, MA

December 2012

Bachelor of Science in Engineering: Robotics | GPA: 3.57

- *Coursework includes:* Computational Modeling, Sustainable Design, Teaching & Pedagogy, Artificial Intelligence, Design for Manufacturing, Computer Science, Differential Equations, Bayesian Statistics, Robotics, Instrumentation & Sensors, User-Oriented Collaborative Design, Mechanical Prototyping, Software Design, Materials Science, Biometric Design, Modeling & Simulation, Modeling & Control

WORK EXPERIENCE

Microsoft Corporation - Program Manager Intern - Seattle, WA

Summer 2012

- Asked to innovate in the online search space, I ran focus groups, generated ideas for features, ran market surveys, gathered user-study data, built prototypes, and coordinated across company stakeholders to adopt a new feature for full-scale release/production to Bing Maps

Noribachi Group - Product Design Intern - Albuquerque, NM

Summer 2011

- Designed the interaction and refined the electrical system for 'ReVerb', a \$2,500 free-standing solar-powered speaker
- Worked in a team to start the spinoff business 'Solar Distinction', a solar panel company that focuses on the aesthetics and customization of solar panels. Managed the supply chain and led product development.

Grassroots Development - Independent Designer - Kenya

Spring 2011

- Developed new appropriate technologies and modified existing technologies to better meet local needs/resources
- Collaborated with Kenyans to start small, sustainable businesses and improve quality of life. Worked with a grassroots NGO to start the "ICE" program for kids - designing and leading activities that encourage innovation and creativity

PROJECTS AND PURSUITS

Research in Education: Self-Directed Learners

Spring 2012

- Led research in answering the question "How do students become self-directed learners?" Wrote qualitative interview protocols, analyzed data, conducted literature searches, and presented work at international education conference.

Wikipedia Visualizer/Quantification of Human Knowledge

Fall 2010

- Built a visual browser for Wikipedia and made strides toward using Wikipedia to quantify human knowledge

Biomimetic Robotic Tuna Research

Fall 2010

- Re-organized and modularized the CAD assembly for an autonomous robotic tuna, as well as re-designed and constructed a biomimetic tail actuator for use in an underwater robotics research effort

Data Logger for University Setting

Spring 2009

- Developed a low cost, easy-to-use, robust data logger that was then used in Olin College and Harvey Mudd U. courses

SKILLS

Computer: Python, C#, LabVIEW, SolidWorks (CAD), Photoshop, HTML, CSS, JavaScript, SQL

Electrical: PCB Layout, sensors, signal amp. & filtering, general circuit design, soldering (DIP, SMT)

Mechanical: MIG Welding, casting, mill, lathe, band saw, RP machine, composites, blue foam models, DFMA

Design: User-Centered design, ethnography, environmental impact analysis, design for international context, interaction & interface design, personas, mood boards

General: Opportunity analysis, survey design, first-round prototyping, project leadership & organization

Fun: Cello, ceramics (pottery), biking, camping, brewing a fine cup of (green) tea ☺, philosophizing