Taiyo Sogawa

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Education

Northwestern University, Evanston, IL
BS, Computer Engineering, GPA 3.76   June 2013
Certificate in Engineering Design

Course Highlights

- **NUvention Web:** Launched a web startup with a team of Engineering and MBA students which helps mobile business owners manage their social media and business intelligence
- **Engineering Design and Communications**: Designed an award-winning apparatus that enabled a Rehabilitation Institute of Chicago doctor to safely conduct experiments on muscles of stroke survivors

Work Experience

Pariveda Solutions   Bellevue, WA
Consulting Intern   June 2012 to September 2012

- Recommended a strategy for optimized network performance to a global online travel company that resulted in adoption of a new technology
- Configured a Continuous Integration Server for a national DVD rental company which allowed multiple developers in the mobile application team to write and commit code concurrently

Northwestern Lab for Internet and Security Technology   Evanston, IL
Research Assistant   February 2012 to Present

- Modified existing protocol-level exploit code to evade detection by a commercial grade Network Intrusion Detection System (NIDS) while still triggering the intended software vulnerability
- Presented the findings of the NIDS shortcomings to specialists at a large networking equipment company

Awards and Honors

Murphy Scholar

- Selected to receive a $4000 research grant and participate in a weekly interdisciplinary engineering seminar

Eta Kappa Nu Chapter President

- Inducted to the Electrical and Computer Engineering Honors Society for standing in the top 25% of the class

Leadership and Community Engagement

Alternative Student Breaks Publicity Coordinator   April 2012 to April 2013

- Created a website (www.asbnu.org) that mobilizes participants for upcoming week-long volunteer trips
- Led or participated in trips working with Habitat for Humanity and Pace School for children with autism

Residential College Board President   March 2011 to March 2012

- Facilitated board meetings and organized cultural, academic, and student life efforts that span 11 residential colleges and their 1300 undergraduate residents
- Coordinated a social event during orientation week that was attended by approximately 2000 students

Willard Dormitory President   March 2010 to March 2011

- Led executive board meetings and directed social and academic programming for 290 student residents and the affiliated faculty

Skills

Technical: C++, C#, Java, SQL, PHP, HTML5, CSS3, JavaScript, JQuery, x86 Architecture, TCP/IP

Languages: Japanese Language Proficiency Test N3 Certified