AARON T. NOJIMA

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EDUCATION   **Massachusetts Institute of Technology · Class of 2016**
Bachelor of Science in Computer Science and Engineering
GPA: 4.6/5.0 (Fall 2012 – Spring 2015)

Completed Coursework: Computation Structures, Software Construction, Design and Analysis of Algorithms, User Interface Design and Implementation, Software Studio, Digital Communication Systems, Artificial Intelligence, Computer Systems Engineering, Linear Algebra, Introduction to Computer Graphics, Advances in Computer Vision

WORK EXPERIENCE

MICROSOFT   Summer 2015
Software Engineering Internship, Redmond, WA / Project Title: ARA Admin Access
- Worked on internal and customer debugging features for the Azure RemoteApp team
- Utilized the Azure API to enable full-desktop connections to virtual machines and create temporary user
- Generation of RDP files with auto-login support using Windows Crypt32 password encryption and embedding
- Implemented monitor to automatically close access (for security reasons)
- Adding executable commands to the Azure SDK

FLUID INTERFACES GROUP – MIT MEDIA LAB   Fall 2014 - Present
Software Developer (UROP), MIT / Project Title: Jajan!
- Developing SceneMaker, which enables Jajan! uses to build, save, and publish scenes
- Designing a database with appropriate data models for scenes, backgrounds, and props
- Implementing user-editing capabilities for scenes (scaling, positioning, etc.)
- Manage SceneMaker hosting environment on MIT Scripts service
- Integrating speech recognition module for ScenePlayer voice commands

REV.COM   Summer 2014
Software Engineering Internship, San Francisco, CA / Project Title: Pedal Connect
- Reverse engineered various USB devices commonly used by Rev workers
- Developed a click-once Windows desktop application that configures and manages USB foot pedal devices
- Added user-customizable foot pedal controls on TcEditor (Transcription Editor)

HEALTHMAP/BOSTON CHILDREN'S HOSPITAL   Summer 2013
Software Development Internship, Boston, MA / Project Title: HealthTweet
- Created and scaled Twitter geo-tagged database in MongoDB
- Programmed automatic text-filtering script based on disease keywords in PHP
- Created web tools and features for users and researchers including regional time-series, normalized heat-map, and spatial-vector analysis using the Google Maps API

SKILLS

Technical: C#, Java, Python, C++, OpenGL, OpenCV, PHP, Arduino
Web Development: HTML/CSS/JavaScript, Node.js, Django, .NET, Azure, AWS, Three.js

PROJECTS

Basketball Simulator, Handwritten Music Reader, rc.js (more available upon request)
Github: http://github.com/aanojima

ACTIVITIES

MIT TechX – DevOps and Marketing	Fall 2012-Spring 2014
Discover EECS – Lab Coordinator	Fall 2012-Present
MIT Hawaii Club – President	Fall 2012-Present
Phi Delta Theta Fraternity – Warden, Webmaster	Fall 2012-Present