Erica Yuen

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EDUCATION

Massachusetts Institute of Technology June 2018

GPA 4.3 / 5.0 - *Cambridge, MA*

— Candidate for Bachelor's Degree in Computer Science and Electrical Engineering
— Humanities Concentration in Comparative Media Studies
— Relevant Courses: Machine Learning, Computer Systems Engineering, User Interface Design, Advanced Game Studio, Algorithms and Data Structures, Engineering Interactive Technologies, Computational Photography, Circuits and Electronics, Systems and Signals

SKILLS

— Java, Python, Javascript, HTML5, CSS3, C++, Unity, Maya, C#, Git, Maven, Vue.js
— Photoshop, Adobe Illustrator, Laser Cutting, 3D Printing, Rapid Prototyping, Fabrication, Sewing

EXPERIENCE

MIT CSAIL - AppInventor September 2017 – Present

Undergraduate Researcher– *Cambridge, MA*

— Creating data visualization features with Java, d3.js, HTML5, and CSS3, using language design principles so users can easily make mobile applications using intuitive drag-and-drop block-based visual programming

Intuit May 2017 – August 2017

Software Engineer Intern – *San Diego, CA*

— Used Java Spring MVC to develop data service for a new mobile application, providing dynamic personalized user content based on various data sources
— Prototyped features using Vue.js for user testing which defined potential value and growth opportunities
— Shaped vision of product by designing gamification features and high level user experiences

LINNEA June 2016 – August 2016

Virtual Reality Developer – *Chihuahua, Mexico*

— Designed mechanics of virtual reality simulator for the Canadarm2, a robotic arm on the International Space Station
— 3D modelled assets and textures using Maya and Photoshop for Mexico's first VR animated film, El Niño y La Nube

DuoSkin - MIT Media Lab Jan. 2016 – Jan 2017

Undergraduate Researcher – *Cambridge, MA*

— Engineered functional jewelry tattoos with embedded circuits, creating new designs and applications that would enable users to control their mobile devices, display information, and store information

Educatrium Ventures June 2015 - August 2015

Front End Developer – *Shanghai, China*

— Utilized HTML5, CSS3, and jQuery to design and launch company's website/assets
— Built curriculum and taught Chinese high school seniors English, chemistry and college test prep

LEADERSHIP

MIT Global Poverty Initiative Feb. 2017 - Present

Board Member for CodePhil

— Coordinating team of peers to teach a 3-week CS education program to engage students with the tech industry in the rural Philippines

MIT Society of Women Engineers Sept. 2014 - Present

Outreach Board Member – *Cambridge, MA*

— Designing and organizing workshops to encourage children and young women to pursue STEM fields
— Mentoring 5 underclassmen members academically and professionally; meeting on a bi-weekly basis to provide advice and coaching

Alpha Chi Omega – Theta Omicron Chapter Sept. 2014 - Present

Committee Board Member – *Cambridge, MA*

— Fondue Chair – Organized large-scale open house event with 300+ students and professors
— Relations and Standards Board Member – Composing chapter bylaws and managing interpersonal conflicts