Long Nguyen
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EDUCATION

Massachusetts Institute of Technology (MIT)   2015 - 2019
S.B. in Electrical Engineering & Computer Science

> 6.046 // Design & Analysis of Algorithms	> 6.036 // Machine Learning	> 18.03 // Differential Equations
> 6.005 // Software Construction	> 6.009 // Fundamentals of Programming	> 18.06 // Linear Algebra
> 6.170 // Software Studio	> 6.042 // Math for Computer Science	> 14.01 // Principles of Microeconomics

WORK

Brain Power — UI/UX/Software Intern   January 2017 — Cambridge, MA
> Worked with software team in Unity to implement a Google Glass app used for children with autism.
> Mocked up wireframes, designed graphical assets to revamp the company's software suite.

VisionTech Camps — Lead Instructor   Summer 2016 — Saratoga, CA
> Taught young students programming fundamentals—logic, data structures, basic algorithms, OOP.
> Instructed students in Minecraft modding through Java.

Pacific Coast Kids — Program Assistant   Summer 2016 — Palo Alto, CA
> Assisted children ages 5-8 with engineering concepts such as levers and motion through LEGO-building.
> Worked with classrooms of 15 to 20 students.

PROJECTS

Personal Website   Spring 2017
> Designed website for photography portfolio; made with HTML/CSS/Javascript.

Email Lists | 6.005 Final Project   Spring 2017
> Capstone project; implemented a web interface to define/customize email lists.
  Specs, coverage, unit testing, and design methodology all brought together.

RESEARCH

Electronics & Telecommunications Research Institute   Summer 2017 — Daejeon, Korea
> Researched social behavior in context of HCI and machine learning.

Stanford School of Medicine - Rabinovitch-Bland Lab   Summer 2014 — Stanford, CA
> Worked with drug candidates and induced pluripotent stem cells to target pulmonary arterial hypertension.

Stanford Geology Corner   Summer 2013 — Stanford, CA
> Gathered fossil data from multiple volumes of treatises on echinoderms.
> Analyzed statistical significance of data and correlated patterns of extinction to echinoderm history.

PUBLICATIONS

S. Sa et al. iPSC Model of Pulmonary Hypertension Reveals Novel Gene Expression & Patient Specificity.
American Journal of Respiratory & Critical Care Medicine.

SKILLS

Python, Java, Javascript, HTML, CSS, Git, LaTeX; Photoshop, Lightroom, Illustrator, Sketch