

Luke A. Sorenson

CONTACT INFORMATION	(508) 333-7612 lasoren@bu.edu, luke@downty.me	Natick, MA 01760 www.lukesorenson.info
SKILLS	Programming C++, Python, Java, PHP, MATLAB, Verilog, C, C#, Objective-C, JS, HTML5/CSS Other Algorithms, Unix, Android Dev, SQL, Django, Flask, Logic Design, Circuit Design, LaTeX	
EDUCATION	Boston University Class of 2016 Boston, MA <i>Computer Engineering, Electrical Engineering (Double Major)</i> August 2012 – Present <ul style="list-style-type: none">• GPA: 3.96• Dean's List (all semesters)	
PROFESSIONAL EXPERIENCE	Google Inc. Mountain View, CA <i>Software Engineering Intern</i> for Video Ads team May – August, 2015 <ul style="list-style-type: none">• Built color selection library and text/asset animations service for automatic video creation pipeline• Worked with C++, Python, and Javascript to provide full-stack support to my team <i>Software Engineering Intern</i> for AdWords Quality team May – August, 2014 <ul style="list-style-type: none">• Created an algorithm to improve quality of suggested search queries given a web page• Worked with the MapReduce programming model to learn from terabytes of ad data Downtyme, Inc. Boston, MA <i>Founder and CEO, Android and iOS app Downtyme</i> December 2013 – Present <ul style="list-style-type: none">• Championed product vision and team enthusiasm, coordinated development/design team• Led programming effort for backend infrastructure (Django rest framework) and client apps Boston University Visual Image Processing Lab Boston, MA <i>Research Intern, Gesture-Based Human Computer Authentication Project</i> June – August, 2013 <ul style="list-style-type: none">• Funded by the National Science Foundation and the University Research Opportunity Program• Developed a Windows application using C# and XAML for recording and saving synchronized video from multiple Kinects• Collected an extensive database of gestures, applied recognition algorithms, and analyzed the data Boston University Department of Electrical and Computer Engineering Boston, MA <i>Undergraduate Teaching Fellow</i> for Software Engineering Course (C++) September – December, 2014 <i>Teaching Assistant</i> for Engineering Computation++ Course (Python) September – December, 2013	
RECENT PROJECTS	(Project videos at www.lukesorenson.info and available source code at www.github.com/lasoren) Mixr (iOS app and top seven hack at LA Hacks 2014) <ul style="list-style-type: none">• iPhone app designed to mix up your social circles with your friends while sitting in a group• Showcases a new technology my team and I developed at the hackathon using iBeacon and compass information SIM-V (Self-Driving Indoor Mapping Vehicle using MSP430) <ul style="list-style-type: none">• An autonomous vehicle, which navigates hallways taking pictures of its surroundings file_reconciler (Java, Command Line Tool) <ul style="list-style-type: none">• Reconciles arbitrary files between computers over a network with maximal efficiency and minimal bandwidth• Algorithm is fast and efficient especially for very large files with a small number of changes (100MB file with 5 changes reconciled in 25KB of data transferred)	
HONORS AND AWARDS	Winner of MIT Enterprise Forum's Beantown Throwdown (startup pitch competition) Winner of Boston University Imagineering Competition with entry Downtyme Grant received from the Boston University Research Opportunity Program (UROP)	2014 2014 2013
COMMUNITY INVOLVEMENT	Lead Engineering Ambassador for the BU College of Engineering BU College of Engineering Dean's Host Founder and Secretary of MakeBU (club)	2014-Present 2013-Present 2013-Present