

Ruiqi Mao

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EDUCATION	Brown University <i>Providence, RI</i> Junior pursuing B.S. in Computer Science	2014 - Present
LANGUAGES	Expert: C, C++, Python, JavaScript, Java, HTML/CSS Proficient: Swift, Objective-C, PHP, SQL	
EXPERIENCE	Brown University CS123 <i>Teaching Assistant</i> <ul style="list-style-type: none">• TAd for Brown University's Introduction to Computer Graphics course• Prepared lectures, labs, and projects for students involving OpenGL, C++, and software design	2016
	Esgyn <i>Software Engineer Intern</i> <ul style="list-style-type: none">• Contributed to open source Apache Trafodion project by building a graphical installer• Built an end-to-end solution for IoT, connecting wireless devices to EsgynDB	2016
	Intel <i>Firmware Engineer Intern</i> <ul style="list-style-type: none">• Developed firmware for upcoming enterprise solid state drives• Developed new infrastructure leading to more streamlined firmware testing• Reduced build times for all SSD platforms leading to accelerated development	2015
	GifYoutube <i>Lead Developer</i> <ul style="list-style-type: none">• Developed a front-end interface for the online web app• Developed a back-end system in Java to efficiently download and convert clips of YouTube videos into animated GIFs, MP4 files, and WebM files	2014
PROJECTS	Keyboard PCB Guide <ul style="list-style-type: none">• Wrote an online guide detailing keyboard PCB design and how to create one from scratch using the free KiCad software.	2017
	QMK Firmware Builder <ul style="list-style-type: none">• Built a webapp with React.js for mechanical keyboard enthusiasts• Allows users to customize the firmware of almost any custom keyboard with the click of a button	2017
	JusText <ul style="list-style-type: none">• Built a system with PHP and Python for "dumbphones" to interact with the Internet through SMS• Developed for HackPrinceton 2014 and received <i>First Place in Software</i> and the <i>Microsoft API Award</i>	2014
AWARDS	HackPrinceton <i>First Place Software, Microsoft API Award</i> <ul style="list-style-type: none">• Built JusText, a system for "dumbphones" to interact with the Internet through SMS	2014
	Zero Robotics <i>National Champion</i> <ul style="list-style-type: none">• Programmed SPHERES robots in the International Space Station using C++ to compete in the annual MIT Zero Robotics Challenge	2011 - 2014