

Joshua Kornreich

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Education	Carnegie Mellon University, <i>Mellon College of Science</i> Bachelors in Mathematical Science	2008 - 2012
Experience	Tier 27, LLC Founder/Manager/Developer <ul style="list-style-type: none">• Personally drafted proposals to over 150 jobs, with over a 30% acceptance rate.• Researched and executed all technical language and implementation decisions.• Prepared schedules for team members based on agile development techniques.• Isolated and corrected a bug producing negative account balances in a real-time sports trading platform.• Designed the database for a learning management platform.• Developed data caching techniques to distribute application load and improve long term performance	2013 - Present
	Lead Engineer, Love My School, <i>Amor Innovations</i> <ul style="list-style-type: none">• Developed the database, API, and UI/UX for a learning management system, using Django, DRF, AngularJS, and Bootstrap. Programmed academic data types, digital assignment and content creation and editing, grade entry and calculation, a messaging system, basic, task management, and a system calendar.	2014 - Present
	Junior Developer, Youstart.me <ul style="list-style-type: none">• Constructed the interface and front end for a crowdfunding application, using Node.js, MongoDB, Bootstrap, and jQuery. Programmed user profiles, a detailed signup process for both roles, and interactions between startups and investors.	2014
	Lead Engineer, Reservation System, <i>Mission Bowling Club</i> <ul style="list-style-type: none">• Created a reservation system to support staff booking and management, and guest booking and payment, using the Laravel PHP framework.	2013 - 2014
Academics	Carnegie Mellon University, <i>Department of Mathematics</i> Course Assistant , Matrix Theory, Matrix Algebra, Graph Theory, Real Analysis <ul style="list-style-type: none">• Taught weekly lectures for the freshman honors course in linear algebra, with an average course grade assignment of an A, and none less than a B.• Worked closely with students and faculty on rigorous, elegant proofs, identifying and encouraging creative mathematical language.	2012 - 2013
	Carnegie Mellon University, <i>Department of Mathematics</i> Researcher , Calculus of Variations <ul style="list-style-type: none">• Discovered an analytic solution to an extension of Ernest Zermelo's Navigation problem.	2012 - 2013
	Carnegie Mellon University, <i>Department of Psychology</i> Research Assistant , Memory Lab <ul style="list-style-type: none">• Performed outstandingly in a Chinese character study, subsequently collaborating with researchers to redesign the experiment	Fall 2012

References	Furnished upon request
Languages	Python, Javascript, SQL, Perl, Ruby, PHP, CSS, HTML
Frameworks	Django, Laravel, AngularJS, Node.js, jQuery, Rails, MongoDB, WordPress