

Joshua Kornreich

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Education Carnegie Mellon University, *Mellon College of Science* 2008 - 2012
Bachelors in Mathematical Science

Experience Tier 27, LLC 2013 - Present
Founder/Manager/Developer

- Personally drafted proposals to over 150 jobs, with over a 30% acceptance rate.
- Researched and executed all technical language and implementation decisions.
- Isolated and corrected a bug producing negative account balances in a real-time sports trading platform.
- Developed data caching techniques to distribute application load and improve long term performance

Lead Engineer, Love My School, Amor Innovations 2014 - Present

- 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, task management, and a system calendar.

Junior Developer, Youstart.me 2014

- 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.

Lead Engineer, Reservation System, Mission Bowling Club 2013 - 2014

- Created a reservation system to support staff booking and management, and guest booking and payment, using the Laravel PHP framework.

Academics Carnegie Mellon University, *Department of Mathematics* 2012 - 2013
Course Assistant, Matrix Theory, Matrix Algebra, Graph Theory, Real Analysis

- Taught weekly lectures for the freshman honors course in linear algebra.

Researcher, Calculus of Variations

- Discovered an analytic solution to an extension of Zermelo's Navigation problem.

Carnegie Mellon University, *Department of Psychology* Fall 2012

Research Assistant, Memory Lab

- Performed outstandingly in a Chinese character study, subsequently collaborating with researchers to redesign the experiment

References Furnished upon request

Languages Python, Javascript, SQL, Perl, Ruby, PHP, CSS, HTML

Frameworks Django, Laravel, AngularJS, Node.js, jQuery, Rails, MongoDB, WordPress