

WILL MAYNER

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willmayner.com

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| PROFESSIONAL EXPERIENCE | Cofounder and CTO, Crowdsurf.io <i>Providence, RI, May–November 2013</i> |
| | <ul style="list-style-type: none">• Founded Crowdsurf.io to bring sophisticated analytics to the live event industry.• Designed and implemented software architecture and proprietary algorithms.• Contributed to product and business development.• Obtained funding from Betaspring, a startup accelerator based in Providence. |
| | Researcher, REU in Computational Mathematics <i>Chicago, IL, Summer 2012</i> |
| | <ul style="list-style-type: none">• Studied a novel 2-parameter family of kernel functions for data interpolation, under the direction of Dr. Greg Fasshauer, Professor of Applied Mathematics at the Illinois Institute of Technology, in the Research Experience for Undergraduates program.• Contributed to a Matlab code repository of numerical experiments and conducted theoretical investigations of closed forms for Green’s functions.• Presented results at the Joint Mathematics Meetings 2013, the Young Mathematicians Conference 2012 at Ohio State (abstract was one of 55 accepted out of 110 submitted), and Brown’s 2013 Symposium for Undergraduates in the Mathematical Sciences. |
| EDUCATION | Brown University <i>Providence, RI, 2009–2013</i> |
| | Sc.B. Mathematics–Computer Science Selected coursework: Creating Modern Web Applications, Laboratory in Computational Cognitive Neuroscience, Consciousness, Artificial Intelligence, Design and Analysis of Algorithms, Combinatorial Topology, Neural Modeling Laboratory, Introduction to Neuroscience, Multiprocessor Synchronization, Cryptography, Programming with Data Structures and Algorithms, Models of Computation, Fundamental Problems of Geometry, Abstract Algebra, Linear Algebra. |
| | The Dalton School <i>New York, NY, 2001–2009</i> |
| | American Computer Science League team; National Merit semifinalist. |
| ONGOING PROJECTS | <ul style="list-style-type: none">• lizwikstrom.com: A portfolio website for an illustrator.• Simplee: An open-source, Node.js implementation of the Simplex Tree data structure for efficient programmatic representation and manipulation of simplicial complexes.• Splitr.co: A web app to divide things fairly among groups of friends using the elegant fair division algorithm described by Dr. Francis Su in his “Rental Harmony Theorem”.• “A 2-Parameter Family of Kernels for Data Interpolation”: Coauthoring a paper with my research partner from the REU program at IIT. |
| SKILLS | Matlab, Full-stack web development (Node.js, MongoDB, AngularJS, Express, and several other modern web technologies), L ^A T _E X, CoffeeScript/Javascript, Git, Python, Java |
| LEADERSHIP EXPERIENCE | Founding Member, Brown University Go Club <i>Providence, RI, 2010–2013</i> |
| | <ul style="list-style-type: none">• Helped found the Collegiate Go League, which has members from over 7 universities.• Go is an ancient board game of strategy and tactics, believed to be the first board game ever invented and as yet unconquered by computer programs.• Participated in Go tournament at MIT in 2010 for the Brown University Go team. |
| ACTIVITIES | <ul style="list-style-type: none">• Piano studies — Classical instruction from 2003–2009, jazz instruction from 2012–2013.• Harmonic Motion — Brown University & RISD A Cappella Group, 2010–2013.• Sports: Brown Tae-Kwon-Do (Yellow Belt), Intramural Ultimate Frisbee, skiing. |