ALEXANDER ST LAURENT

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CAMPUS ADDRESS
69 Brown Street, Box 7082
Providence, RI 02912

PERMANENT ADDRESS
25 Plimpton Avenue
Sturbridge, MA 01566

EDUCATION

Brown University '16 Providence, RI
Bachelor of Science, Computer Science—Mathematics
Cumulative GPA: 3.75/4.00 (among degree-related courses)

Tantasqua Regional High School '11 Fiskdale, MA

EMPLOYMENT & EXPERIENCE

Web Development Intern · MembersFirst, Inc. · Wayland, MA · July 2014-August 2014
- Created dashboards housing data-visualization widgets.
- Wrote SQL functions to query and amalgamate data.
- Wrote JavaScript which interacted with the Google Charts and Google Maps APIs.
- Contributed features to a NodeJS application.

Teaching Assistant · Brown Computer Science · Providence, RI · Spring 2012, Spring 2013
Spring 2012 —*Introduction to Scientific Computing and Problem Solving*
Spring 2013 —*Introduction to Discrete Structures and Probability*
- Assisted students individually.
- Graded programs and assignments.
- Ensured assignments and solutions thereof were well-written and accurate.

Consultant · Brown Computer Science · Providence, RI · Spring 2013-present
Consultant for the Sunlab and MSlab
- Supported the machines and users in these two high-traffic computer labs.
- Provided technical support to users for Linux- and department-related issues.
- Served as liaison between users and the department technical staff.

Undergraduate Researcher · Brown Applied Mathematics · Providence, RI · Summer 2012
- Worked with Professor Caroline Klivans on an open problem in algebraic topology.

Undergraduate Researcher · ICERM · Providence, RI · Summer 2013
- Worked with Diana Davis, P.h.D (Brown '13) and Professor Chaim Goodman-Strauss on an open problem in planar geometric dynamical systems.

COMPUTER SKILLS & EXPERIENCE

Selected projects
- "2048 Cubed," a three-dimensional version of the viral game, in JavaScript.
- "Neg Snell," a port of an existing (Java) simulator for negative-refraction light trajectories through tilings, in JavaScript.
- "Rackette," an interpreter for a subset of the Racket language, in OCaml.
- "Sparkzilla," a graphical web browser and server for a subset of HTML, in Java.
- "Malloc," a heap-memory allocator, in C.

Languages, etc.
- JavaScript/jQuery, HTML/CSS, SQL
- Java, Python, Racket/Scheme, OCaml, Matlab, C
- Git, Jekyll, Make

LEADERSHIP

DUG Officer · Brown Mathematics · Providence, RI · Fall 2012-present
Math Departmental Undergraduate Group (Math DUG)
- Organized various talks given by students and faculty throughout the semester.
- Organized the annual Symposium for Undergraduates in the Mathematical Sciences (SUMS).

Section Leader · The Brown Band · Providence, RI · Fall 2012-Fall 2013
Percussion section of the official band of the university
- Maintained instruments, tools, equipment, and sheet music.