ALEXANDER ST LAURENT

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CAMPUS ADDRESS
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Providence, RI 02912

PERMANENT ADDRESS
25 Plimpton Avenue
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EDUCATION

Brown University '16 Providence, RI
Bachelor of Science, Computer Science—Mathematics
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.