

# 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, Mathematics—Computer Science

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.