

## 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-present

- Created dashboards housing widgets which would present data from a database (Google charts, etc).

**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.
- Wrote and revised assignments.
- Ensured solutions to assignments 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 from coursework

- “Rackette,” an interpreter for a subset of the Racket language, in OCaml.
- “Game,” an artificially intelligent player of turn-based games, in OCaml.
- “Sparkzilla,” a graphical web browser and server for a subset of HTML, in Java.
- “Search,” a search engine, in Scala.
- “Shell,” a bash-style shell, in C.
- “Malloc,” a heap-memory allocator, in C.

#### Languages, etc.

- Java, Python, JavaScript/jQuery, HTML/CSS, SQL, Racket/Scheme, OCaml, C
- Matlab, Mathematica, Sage
- Git, 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.
- Held weekly section rehearsal outside of band rehearsal.
- Kept the section informed, motivated, and nourished.