

ALEXANDER ST LAURENT

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(774) 289-6383

CAMPUS ADDRESS

69 Brown Street, Box 4566
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

GPA: 4.86/5.00, Rank 3rd/291

EMPLOYMENT & EXPERIENCE

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

Chip-firing on simplicial complexes

- Work with Professor Caroline Klivans on an open problem in algebraic topology.

Undergraduate Researcher · ICERM · Providence, RI · Summer 2013

- Work with Diana Davis, Ph.D (Brown '13) and Professor Chaim Goodman-Strauss on an open problem in planar geometric dynamical systems.

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.

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.

User-end skills

- Document creation: Office suites (e.g. Microsoft Office, Libre Office, OpenOffice), typesetting in latex, standard image-editing (e.g. GIMP), audio editing (e.g. Audacity).
- Operating systems: Linux/Unix, Windows, Mac OS.
- Mathematical computing: Matlab, Mathematica, Sage.