

Ryan Williams
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<https://github.com/rydub>

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Education

- **UC Berkeley– 3.5 GPA** **Aug. 2016 - Present**
Electrical Engineering & Computer Science
 - Selected coursework: Data Structures(Java), Programming Paradigms(Python, Scheme, SQL), Discrete Math & Probability Theory, Designing Information Devices and Systems (Linear modeling, signals, control, circuit design).
- **Santa Barbara City College– 4.0 GPA** **Aug. 2013 - May 2016**
Engineering Transfer
 - Recipient of SBCC Foundation President's Scholarship, a multi-year award honoring commitment to academic excellence.
 - Member of SBCC Computer Engineering Club.

Experience

- **Mathematics Tutor** **Aug. 2014 - July 2016**
SBCC, Santa Barbara CA
 - Worked as a drop-in tutor in the Math Lab seeing anywhere from 5-50 students per day.
 - Worked as a Gateway tutor for Algebra, Calculus, and Linear Algebra where I hosted 1-2 private lessons and small group (3-8 persons) study sessions.
 - Functioned as a TA through in-class tutoring, contribution to lectures, and exam correction consultations.
 - Developed problem solving worksheets and heuristics for students.
 - Served as a mentor for new tutors in the Gateway programming, consulting them about their tutoring sessions.
- **PCB Layout Engineer** **Feb. 2014-June 2015**
Green Light Props, Santa Barbara CA
 - Company to design and manufacture smart LED dance props.
 - Designed PCB with an ARM based chip using an 802.15.4 radio, accelerometer, LED driver, and USB charging system.
 - Developed schematics and layouts for two-layer high speed PCBs
 - Maintained documentation of PCB layout and fabrication
 - Implemented layouts in coordination with manufacturers and suppliers
 - Ensured layout design compliance with manufacturing requirements
 - Performed regular system checks and tests.
- **Co-Owner** **January 2012-Present**
Lucidity Festivals LLC
 - Contributed to the founding and development of worker-owned event production company.
 - Served two year term as Membership Dept. Manager. Pioneered democratic decision-making processes and director elections, facilitated meetings, maintained operating agreement, authored member orientation materials and procedure handbook.
 - Holds ongoing role of Fire Safety Coordinator for annual 5000 person festival. Primary Liaison with SB County Fire Dept., author of relevant permits, conducts reviews of production, develops deployment and inventory management plans, hires and manages personnel.

Programming Proficiency

- **Languages** (C++, Java, Python) **Tools** (git, EAGLE CAD, MATLAB, Maple, SPICE)

Other Interests

Music; classical, folk; Guitar, Mandolin
Fire Dance Performer
Fire Dance and Juggling Teacher

<https://youtube.com/rydubbin>

Oct. 1999-Present
Oct. 2009-Present
April 2011-Present