

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, the school's highest honor.
  - Member of Computer Engineering Club, PTK Honor Society, Student Leaders in Science.

## Experience

- **Mathematics Tutor** **Aug. 2014 - July 2016**  
*SBCC, Santa Barbara CA*
  - Drop-in tutor for Advanced Math Lab (all levels). Saw anywhere from 5-50 students per day.
  - Gateway tutor for Algebra, Calculus, Linear Algebra. Hosted 1-2 hour private and group sessions. Also gave lessons, review sessions, and supplemental problem sets.
  - Functioned as TA through in-class tutoring, contribution to lectures, and exam consultations.
  - Developed problem solving worksheets and heuristics for students.
  - Mentored new tutors through consultation and workshops.
- **PCB Layout Engineer** **Feb. 2014 - June 2015**  
*Green Light Props, Santa Barbara CA*
  - Company that designed and manufactured 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** **Jan. 2012 - Present**  
*Lucidity Festivals LLC*
  - Founding and development of worker-owned event production company.
  - Served as Dept. Manager; pioneered decision-making processes, director elections, maintained operating agreement, authored orientation materials and procedure handbook.
  - Holds ongoing role of Fire Safety Coordinator for annual 5000 person festival. Liaison with County Fire Dept., author relevant permits, develops deployment and inventory management plans, manages budgets and personnel.

## Technical Skills

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

## Other Interests

Music; classical, folk; Guitar, Mandolin		Oct. 1999
Fire Dance and Juggling Teacher/Performer	<a href="https://youtube.com/rydubbin">https://youtube.com/rydubbin</a>	April 2011
Rock Climber		Dec. 2015