Ryan Williams
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Objective

OBJECTIVE

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   https://youtube.com/rydubbin   April 2011
Rock Climber   Dec. 2015