

# Byron Becker

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## EDUCATION

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**University of Colorado Boulder, GPA: 3.63/4.0**

- *Bachelor of Science Computer Science*

May 2018

**Colorado School of Mines, GPA: 3.81/4.0**

June 2014 – December 2014

**San Diego Community College District, GPA: 3.96/4.0**

August 2012 – May 2014

## TECHNICAL SKILLS

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- **Computer:** Microsoft Office Suite, HTML/CSS, Tableau, VBA, SolidWorks, MATLAB, Minitab(Statistical Analysis & Experimental Design), Snapgene, Adobe Creative Suite
- **Recent Coding Exposure:** Javascript(Jquery)
- **Laboratory:** PCR, miniprep of cell cultures, DNA agarose gels, primer/RBS design, Biobrick assembly, DNA ligations and transformations
- **Specialized Coursework:** Web Development, Applied Data Analysis
- **Language:** Proficient in Spanish
- **Communications:** Enjoy working in a group or one-on-one setting, strong presentation and public speaking skills

## RELEVANT EXPERIENCE

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**iGEM Foundation**

**Boulder, CO**

**Lab Assistant**

**February 2015 – July 2015**

- Developed a bacterial sensor by using an arabinose induced promoter to activate BxB1 integrase recombination sites, which then turn on cell-cell signaling via the LuxI operon
- Used Snapgene software to analyze gene sequences and design primers
- Strengthened genetic engineering techniques

**Engineering Epics**

**Golden, CO**

**Research Lead**

**August 2014 – December 2014**

- Designed an affordable community facility for international students using SolidWorks software
- Assembled the prototype for the facility
- Researched ideal materials used for construction of the building, including exterior materials, required insulation, and parking lot
- Conducted cost analysis for the project

## ADDITIONAL EXPERIENCE

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**Baseball Umpire**

**2010-2012**

- Officiated the Northwoods League ([www.northwoodsleague.com](http://www.northwoodsleague.com)), officiating top prospect collegiate summer baseball (Summer 2011)
- Officiated junior college and NAIA baseball officiating for the CCCBUA (2012)
- Lead umpire training clinics and evaluated amateur umpires as *Umpire-in-Chief* at Burlingame Youth Baseball Organization (2011-2012)

## ACTIVITIES AND HONORS

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- Hackathon Participant: HackCU, T9Hacks
- American Institute of Chemical Engineers (AIChE)
- Math Engineering Science Achievement Program (MESA)
- Phi Theta Kappa Honor Society
- Phi Theta Kappa Scholarship Recipient
- Acapella groups Miner Dissonance and Harmonic Miners - Section Leaders
- National Federation for Advancement in the Arts (NFAA) - Silver Medalist, Jazz Voice (2009)
- Selected as Grammy Camp Singer-Songwriter (2007)