

# Duncan Flint

Website: [IntegratedDiscoveries.wordpress.com](http://IntegratedDiscoveries.wordpress.com)

898 Homestake Drive

Golden, CO 80401

801-201-6195

dflint@mymail.mines.edu

---

## Education

---

### Colorado School of Mines, Golden, CO

Major: Electrical Engineering    Minor: Computer Science

B.S Dec 2017

GPA: 3.15

---

## Relevant Experience

---

### Colorado School of Mines – Golden, CO

Sep 2016 – May 2017

Senior Design Team Member – “Food Computer Challenge”

- Designing and building autonomous hydroponics food growing system
- Focused primarily on controls software and sensor integration

### Colorado School of Mines – Golden, CO

Jan 2016 – May 2016

Student Research Assistant

- Researched RF power scavenger technology
- Surveyed previous scavenger implementations, focused primarily on voltage amplifier circuits

### Atwell, LLC - Lakewood, CO

May 2015 - July 2015

Engineering Intern

- Assisted in design of multiple electrical substations in a variety of different ways:
- Created wiring diagrams for interconnections of substation components
- Input & verified relay protection settings to ensure safe operation
- Researched and recommended substation components to best meet client needs
- Validated engineering drawings to confirm changes were made accurately and correctly

### BrightLeaf Power - Montrose, CO

Jun 2014 - Aug 2014

Engineering Intern

- Analyzed early production solar-thermal generators to selectively upgrade to new technology
  - Redesigned rail controller and pump box enclosures to support incorporation of current production components
  - Upgrade will lead to an estimated 10% increase in installation efficiency
- 

## Skills

- Eagle, Verilog, C++, Java, MATLAB, Arduino (circuit design & programming), Oscilloscope use, LabVIEW, SolidWorks (Certified SolidWorks Associate), Logger Pro, Simile
  - Project management, cost analysis, technical reports, public presentations
  - Microsoft Word, Excel, Project, Outlook, PowerPoint
  - Current U.S Passport, intermediate Mandarin skills
- 

## Leadership and Community Service

---

### Institute of Electrical and Electronics Engineers

May 2015 - June 2016

Webmaster

- Assisting in coordinating major networking event (Dinner with Industry)
- Responsible for creating events and sending messages to club members through OrgSync.
- Updated and maintained club website

### Salt Lake City Bicycle Collective

Sep 2011 - May 2012

Volunteer Mechanic

- Rebuilt donated bikes which were then provided to families in need of economical transportation in the Salt Lake City area