

## Alexander Schoep

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Website: <http://alexschoep.github.io/>

### Education

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#### Colorado School of Mines, Golden, CO

Bachelor of Science in Electrical Engineering  
Minor in Computer Science

(expected May 2018)  
GPA: 3.36

### Employment

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#### CCIT Student Consultant

Fall 2015 - Present

Colorado School of Mines, Golden, CO

- Assisted students and faculty with computer hardware and software problems
- Installed software and maintained computers in campus computer labs
- Answered phones for IT hotline, routed calls, and assisted clients in filling out IT helpdesk tickets

#### Lab Assistant

Fall 2014 - Present

Colorado School of Mines, Golden, CO

- Supervised student use of labs in electrical engineering/computer science dept.
- Assisted with maintaining and ordering new lab equipment and components
- Built lab component kits to be used by electrical engineering lab sections

### Projects

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- Aerial Lighting and Imaging System - designed and prototyped embedded system to improve lighting conditions during aerial drone photography
  - Gained experience working with microcontrollers, radios, high-power LEDs
- Active Suspension System - designed feedback control system to automatically adjust vehicle suspension during changing road conditions
- EPICS course - designed and prototyped landmine detection/removal apparatus
- Amoeba - computer board game on a hexagonal matrix, programmed in Java

### Skills

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- Member of the Institute of Electrical and Electronics Engineers
- Highly proficient in C, C++, Java, MATLAB, experienced with assembly language
- Experienced with Verilog HDL and FPGA boards
- Captain of intramural basketball team
- Competed in varsity Track and Field at Broomfield High School