

# Kevin Pickard

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## EDUCATION

### UNIVERSITY OF COLORADO BOULDER

B.S. MECHANICAL ENGINEERING,  
MINOR IN COMPUTER SCIENCE  
Class of 2016 | Boulder, CO  
Cumulative GPA: 3.0

## SKILLS

### PROGRAMMING

Python • C/C++/C# • Go • Ruby  
Shell Scripting (Bash/PowerShell)  
Java • MatLab • Mathematica  
LabView • L<sup>A</sup>T<sub>E</sub>X • Android/iOS • CI/CD  
Web Design • SQL and NoSQL DBs

### ENGINEERING

### DESIGN/TESTING

System and part design • Prototyping  
Machining • SolidWorks • EES  
Arduino/Raspberry Pi • Data Collection

### INFORMATION TECHNOLOGY

Windows • Linux • MacOS  
Active Directory • Networking  
Software Package Deployment  
System Monitoring • Cloud Tools

## COURSEWORK

Operating Systems  
Computer Systems  
Data Structures  
Mobile Application Development and Security  
Unix Tools and Scripting  
Computer Graphics  
Engineering Design  
Testing/Data Collection  
Data Analysis  
Statics and Dynamics  
Fluids, Thermodynamics  
Heat Transfer  
Materials  
Manufacturing  
Systems Analysis  
Computational Methods  
Circuits and Electronics  
Numerical Analysis

## LINKS

Github:// [kevinjpickard](#)  
LinkedIn:// [kevinjpickard](#)  
Website:// [www.kevinjpickard.com](http://www.kevinjpickard.com)

## EXPERIENCE

### JUMPCLOUD INC | QA/AUTOMATION/IT ENGINEER

August 2016 - Present | Boulder, CO

- Designed and implemented a fully-automated test suite from the ground up (Written in Python)
- Worked with a cutting-edge stack, including tools like SaltStack, Vagrant, Docker, Go, AWS, GCE, Test Kitchen, Vagrant, and more
- Diagnosed and rectified issues in every aspect of the product, including the distributed infrastructure, client, API, and web portal
- Designed and implemented new features to help achieve feature parity and competition with Microsoft Active Directory

### INTEGRATED TEACHING AND LEARNING LABORATORY AND PROGRAM | LAB ADMINISTRATOR

August 2013 - August 2016 | Boulder, CO

- Investigated and implemented robust, flexible, and efficient solutions for software package deployments
- Developed upgrade and maintenance packages for deployment on network servers and clients
- Configured and maintained key network assets, including DNS and DHCP services, Group Policy settings, and Active Directory
- Worked effectively in a high workload, high distraction environment both independently and in teams

### DESIGN BUILD FLY TEAM, UNIVERSITY OF COLORADO BOULDER | PROJECT MANAGER, SYSTEMS ENGINEER,

MISSIONS/OPTIMIZATIONS ENGINEER, FINANCIAL OFFICER, ADVISER

August 2012 - May 2016 | Boulder, CO

- Effectively managed and organized a large team of engineers (30 - 40 Engineers)
- Successfully applied for and received several grants and sponsorships
- Prepared detailed, professional design reports and describing the entire engineering process, from the conceptual design through the prototyping, testing, and final building phases
- Created and delivered regular presentations in front of large audiences both independently and in teams
- Designed and executed effective testing procedures for many aspects of a complex system as well as analysis of collected data
- Interfaced with industry engineers, competition officials, and university professors
- Learned challenging lessons in both project management and system design

### UNITED STATES BUREAU OF RECLAMATION, DEPARTMENT OF THE INTERIOR | ENGINEERING INTERN

June 2012 - August 2013 | Lakewood, CO

- Conducted research and analysis in a laboratory environment with proper testing techniques and protocols
- Operated and maintained an ion chromatograph for the determination of chemical compositions of samples
- Operated computer-controlled Instron material testing machines along with heavy machinery