Kevin Pickard

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EDUCATION

UNIVERSITY OF COLORADO BOULDER

B.S. Mechanical Engineering, Minor in Computer Science
Expected May 2016 | Boulder, CO
Cumulative GPA: 3.0

SKILLS

PROGRAMMING

C/C++ • C# • Java
Matlab • Mathematica
LabView • LaTeX • Android
Web Design • SQL

ENGINEERING DESIGN/TESTING

System and part design • Prototyping
Machining • SolidWorks • EES
Arduino/RedBoard • Sensor Deployment

INFORMATION TECHNOLOGY

Windows • Linux • Mac OSX
Active Directory • Networking
Software Package Deployment
System Monitoring

COURSEWORK

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

LINKS

Github:// **kevinjpickard**
LinkedIn:// **kevinjpickard**
Website:// **www.kevinjpickard.com**

EXPERIENCE

INTEGRATED TEACHING AND LEARNING LABORATORY AND PROGRAM | Lab Administrator

August 2013 - Present | 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 network assets, including DNS and DHCP services, Group Policy settings, and network OUs (Active Directory)
- Worked effectively in a high workload, high distraction environment both independently and in teams (Up to 5)
- Investigated problems and independently found and implemented solutions to domain issues

DESIGN BUILD FLY TEAM, UNIVERSITY OF COLORADO BOULDER | Project Manager, Systems Engineer, Missions/Optimizations Engineer, Financial Officer, Adviser

August 2012 - Present | 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 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 alone and in teams
- Designed and executed effective testing procedures for many aspects of a complex system as well as analysis of the 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
- Observed, assisted, and collaborated with experienced, highly trained, professional personnel

MEMBERSHIPS

Society of Automotive Engineers, American Institute for Aeronautics and Astronautics, American Society of Mechanical Engineers, Theta Tau Professional Engineering Fraternity, SAE Baja Competition Team, CU Hackers Educational Group