

# Matthew J. Cunkelman

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## Education:

Bachelor of Science, *Mechanical Engineering*  
The Pennsylvania State University

Class of 2012  
State College, Pennsylvania

Pursuing: Associates Degree, *Software Development*  
The Community College of Allegheny County

Anticipated Completion - Spring 2022  
Pittsburgh, Pennsylvania

## Work Experience:

**UBER ATG**, Pittsburgh, PA  
*Autonomous Systems Engineer*

April 2019 - Present  
*Systems Engineering & Testing*

- Investigate changes to software to understand new functionality and predict future performance during structured testing
- Collaborate across structured testing teams to gate software releases and demonstrate needed improvements to the software team
- Embedded with the Motion Planning Software team to shorten the feedback loop and drive rapid development during critical business phases
- Developed new root cause hierarchy structure for AV stack failures to align with new ground up software architecture
- Created model based systems engineering requirements to shape the future of AV development
- Working to revamp the Hardware/Software integration testing procedures and reporting
- Provided troubleshooting to solve critical remote work issues including remote machine management to 40 people during extended WFH period

**EQT Production Company**, Pittsburgh, PA  
*Engineer I*

September 2015 - January 2019  
*Reservoir Optimization*

- Assessed performance of core assets, provided recommendations for improvement, and defined expectations to upper management
- Discussed analytic results with peers to help solve obstacles associated with emerging technologies
- Responsible for building and modifying databases using various tools, programs, and languages, most frequently: Spotfire, IHS Harmony, and SQL
- Presented critical information to upper management regarding expectations, trends, and issues

**Halliburton Energy Services**, Homer City, PA  
*Technical Professional*

June 2012 - August 2015  
*Production Enhancement*

- Identified and mitigated hardware and software related issues through various troubleshooting techniques
- Supervised experimental technology implementation and adoption
- Established procedures to improve process and technological effectiveness

**EOG Resources Inc.** Pittsburgh, PA  
*Engineering Intern*

May 2011 - August 2011  
*Production Engineering*

- Managed project to develop and implement new process to accurately track, record and report millions of gallons of fluid shipments and transfers at a lower cost
- Hosted a meeting with teams from around the USA to discuss applications for my project in other divisions

## Skills:

- **Accomplished With:** Linux, macOS, SQL, Remote System Management, Visual Basic for Applications, Spotfire, Networking, Google Suite, HTML
- **Experience With:** C, C++, Bash, Python, R, Website Development, Server Hardware Implementation, Java, JavaScript, Google Scripts, HQL, MBSE, Requirement Generation, GitHub, Jira, JAMA, Cameo