

# DAVID FOLARIN

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## EDUCATION

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**Cornell University** Ithaca, NY  
BA Computational Psychology August 2013 - May 2018

**Open University** Milton Keynes, England  
BSc (Hons) Mathematics Oct 2021 - Pursuing

## SKILLS

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Programming Languages: Python, C++, Javascript, Rust, Bash, Matlab & Simulink  
CAD: Fusion 360  
ML/AI: Object Detection, Identification, Tracking, 3D rendering

## EXPERIENCE

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**CoVar Applied Technologies** Durham, NC  
*Software Engineer* July 2020 - Present

- Developed Computer Vision Algorithms
- 3D rendering and aided target recognition for US Army
- Full stack application development for DARPA
- Aided target recognition and explainable AI for NVESD

**Caterpillar** Clayton, NC  
*Associate Engineer* August 2019 - July 2020

- Solvde high cost in production bugs
- Developed testing program for Telmatics product
- Designed plant model for hardware integrations
- Led small track type tractor and small wheel loader development

**Psychology Dept. Cornell University** Ithaca, NY  
*Data Analyst* August 2018 - May 2018

- Analyzed basketball shot data in support of Professor Gilovich's Hot Hand research program
- Suggested and implemented new analysis in response to critiques of prior publications

**Social Media Lab, Cornell University** Ithaca, NY  
*Research Assistant* August 2017 - May 2017

- Created survey website to collect sentiment data about Facebook algorithms
- Implemented pairwise ranking algorithm to analyze survey data
- Managed Amazon Mechanical Turk repsonses
- Created text munging scripts to reduce research assistants' workload

## PROJECTS

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**Poppr genomics library**

**Led seminars for Cornell Data Science Club**