

DAVID FOLARIN

Durham, NC · dof5@cornell.edu · (318) 787-1282 · davefol.com

EDUCATION

| | |
|--|---|
| Cornell University BA Computational Psychology | Ithaca, NY August 2013 - May 2018 |
| Open University BSc (Hons) Mathematics | Milton Keynes, England Oct 2021 - Pursuing |

SKILLS

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

EXPERIENCE

| | |
|---|-----------------------------------|
| CoVar Applied Technologies <i>Software Engineer</i> | Durham, NC 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 <i>Associate Engineer</i> | Clayton, NC August 2019 - July 2020 |
|---|--|

- Solve 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 <i>Data Analyst</i> | Ithaca, NY 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 <i>Research Assistant</i> | Ithaca, NY 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 responses
- Created text munging scripts to reduce research assistants' workload

PROJECTS

Poppr genomics library

Led seminars for Cornell Data Science Club