

Ben Poole

Computer Scientist



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Education

B.S. Computer Science
UNCC | 2018 | GPA:3.9

M.S. Computer Science
UNCC | 2019 | GPA:4.0

Ph.D. Computer Science
UNCC | 2023 | GPA:4.0

Languages

Python
Java
Go
C#
C++
Bash

Packages

Tensorflow, Keras, NumPy, Pandas,
Plot.ly, Dash, Matplotlib, Scikit-learn,
SciPy

Software

Git, Docker, Docker Compose, Maven,
Pulsar, Kafka, Matlab

Work Experience and Internships

- 2019-now **Graduate Assistant** UNCC Charlotte, NC
Lead researcher on machine learning and brain-computer interface Deep Advisor project.
- 2019-now **Teacher assistant and co-instructor** UNCC Charlotte, NC
Teach introductory and applied machine learning courses for graduate and undergraduate courses.
- May-Aug'19 **Summer Data Analytics Intern** Klarrio Apex, NC
Investigated stateful applications in a data streaming environments using AWS, Docker, Python, and Java.
- 2018-2019 **Research Assistant** UNCC Charlotte, NC
Lead researcher on machine learning and brain-computer interface Deep Advisor project.
- May-Aug'18 **Research Intern** UNCC Charlotte, NC
Lead researcher on machine learning and brain-computer interface Deep Advisor project funded by the REU program under the NSF.
- May-Aug'17 **Summer Software Intern** IBM Durham, NC
Gained experience in production level software development for IBM's cloud service Openwhisk.

Research and Projects

- 2018-now **DeepBCI**
Research surrounding applications of machine learning algorithms for brain-computer interface. Responsible for development of data processing/visualization, machine learning algorithms, scientific experiments, paper/presentation writing, and maintenance of brain-computer interface equipment.
Posters Presented: [Deep Advisor v1](#), [Deep Advisor v2](#)
- May-Aug'19 **Stateful Streaming**
Developed demos and investigated stateful streaming applications with Pulsar and Kafka.
- May-Aug'17 **Openwhisk CLI Devoplment**
Worked on open source project Openwhisk, a Function-as-a-Service (FaaS) cloud platform. Developed CLI tools and production level test code utilizing OOP via Go and Scala.
Projects merged: [-last flag](#), [Bash Script](#), [Limit HTTP body](#), [Alphabetize Listings](#)

Achievements

- 2019-now **GAANN Fellowship Funding**
Awarded Graduate Assistance in Areas of National Need Fellowship funding towards PhD pursuits.
- May'18 **NSF REU Funding**
Accepted into Research Experiences for Undergraduates program funded by National Science Foundation.