

Elliot Martin | Resume

Bioinformatician

Bioinformatician: SOPHiA Genetics
Field: Bioinformatics, Software Engineering, Data Science

elliotmartin92@gmail.com
github.com/elliotmartin92

Summary

- Developed dozens of custom NGS pipelines for renowned hospitals and testing labs
- Aided PI to achieve over \$2,000,000 in NIH grant funding by establishing bioinformatics pipelines to facilitate the research of dozens of team-members
- Spearheaded a productive multi-year research project, managing and effectively communicating with several team-members from different disciplines

Experience

Bioinformatician - SOPHiA Genetics Apr. 2022 - Present

- * Coordination of a project to build an Open Science platform with reusable code and tutorials
- * Research on Open Science Practices
- * Implementation of tools to enhance reproducibility and facilitate research with digital data in R

Graduate Assistant - University of Manchester Sep. 2018 - Feb. 2022

- * Research on Disinformation on Social Media
- * Analyses of large scale and unstructured data sets with R, Python and Bash

Post Doctoral Researcher - ETH Zurich Nov. 2017 - Aug. 2018

- * Developing new methods to analyze social networks
- * Implementing methods in libraries
- * Gathering and analyzing large datasets from Social Media APIs

Post Doctoral Researcher - University of Konstanz Oct. 2015 - Oct. 2017

- * Developing new methods to analyze social networks
- * Implementing methods in libraries
- * Webscraping and harmonizing a large corpus of football data

Ph.D. Candidate - University of Konstanz Nov. 2012 - Sep. 2015

- * Developing new methods to analyze social networks
- * Implementing methods in libraries

Education

Ph.D. in Computer Science - Konstanz, Germany Nov. 2012 - Sep. 2015

- * Thesis: A Positional Approach for Network Centrality
- * Developed and implemented new methods to assess network centrality

Diploma in Business Mathematics - Karlsruhe, Germany Sep. 2006 - Jul. 2012

- * Thesis: Modularity Maximization
- * Implementation and comparison of different clustering algorithms using Matlab