

# KEVIN J. ANDERSON

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## EDUCATION

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**University of Pittsburgh** • Pittsburgh, PA  
*Bachelors of Science • Bioinformatics & History Minor*

Expected Graduation : April 2020

## EXPERIENCE

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**Bioinformatics Analyst** – UPMC Children's Hospital  
Pittsburgh, PA

August 2019 – Present

- Processed bulk RNA-seq samples from more than 1000 patients to analyze their immune profiles, and characterize the TCR repertoire
- Deployed customized analysis pipelines and workflows using R
- Established automated RNA-seq analysis pipelines for the Bioinformatics Core using NextFlow

**Undergraduate Intern** – University of Pittsburgh Department of Biostatistics  
Pittsburgh, PA

July 2017 – November 2017

- Worked with a grad student in the group of Dr. Ying Ding to create and publish his statistical package on copula-based bi-variate interval-censored data modeling on Age-related Macular Degeneration (AMD)
- Contributed to the manuscript for the R package
- Developed a webpage as a platform for a department assistant professor's CV

**Werner H. Kirsten Student Intern** – National Cancer Institute  
Frederick, MD

June 2015 – July 2016

- Familiarized with version control, and worked collaboratively with other researchers via Github
- Optimization and parallelization of genetic data in R utilizing Genome Wide Association Study (GWAS) and Mapping by Admixture Lineage Disequilibrium (MALD)
- Presented a poster on parallel computing and the ALD R statistical package at the National Cancer Institute's Spring Research Festival

**Facilities Attendant** – University of Pittsburgh Department of Recreation  
Pittsburgh, PA

April 2019 – Present

- Run the day-to-day operations inside the various recreational facilities on campus such as opening, cleaning/maintenance, and closing
- Provide helpful services to facilities patrons such as renting out equipment, providing information about the facilities and leading impromptu tours

## PROJECTS

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**EctothermER: Frogs Under the Weather** – Pitt Bio Outreach  
Pittsburgh, PA

January 2020 – Present

- Working with the Department of Biological Science's Outreach Program to create a website that is the central hub for teachers to access the introductory video. All of the handbook materials needed for the module, as well as a place for schools to input data collected from their location so that the lab can easily access those data and use it in their research

## TECHNICAL SKILLS

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- Relevant Courses: Computational Genomics, Data Science, Applied Regression, Algorithm Implementation, Genetics
- Programming languages: R, Python, SQL, Cypher, Java, Bash, Git
- Markup languages: R-Markdown, LaTeX, HTML, CSS
- Other computer experience: High-Performance Computing, MS Office, Sony Vegas, Adobe Photoshop

## EXTRA CURRICULAR ACTIVITIES

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- Delta Sigma Phi Fraternity - Risk Manager Officer
- University of Pittsburgh Men's Ice Hockey Club - Player/Business Manager