Jake Peters

[https://jakewpeters43.github.io](https://jakewpeters43.github.io/)**|** jakewpeters43@gmail.com**|** <https://www.linkedin.com/in/jake-peters-43-/>

**Education**

**Georgia Institute of Technology**, Atlanta, GA Expected: Dec 2025

*Master of Science*,**Computer Science**

**Concordia College**, Moorhead, MN May 2022

*Bachelor of Arts in* **Mathematics**, **Computer Science**

**GPA: 3.75/4.00**

Honors: *magna cum laude*, Gerald/Jeanette Heuer Math Award, Excellence Scholarship, Dean’s List

**Relevant Experience**

***Software Developer*,** Medical Information Technology IncorporatedAugust 2022-Present

* Achieved the highest possible metric for Productivity in annual review GPI/KPI performance metric
* “Set a new standard for developers of this tenure” in terms of high productivity
* Obtained Productivity metric that is given to an employee only when contributing significantly to the success of the company
* Creates production level code that is used in healthcare software
* Develops software to build and analyze various statistics for the Meditech platform
* Works on an agile development team involved in the statistics of insurance billing and client receivables
* Uses a peer review process and version control (JIRA) to ensure quality of software
* Produces and pushes code to the company servers with the Visual Studio Code platform

***Data Researcher*,** Mathematics and Computer Science Department, Concordia College, MNJune 2021- July 2021

* Analyzed and cleaned a dataset of the Fargo-Moorhead housing sales history
* Created computer programs to scrape usable data from websites such as the US Census Bureau website
* Added rows of mined data to the model to establish extra parameters and build hierarchy
* Computed various mathematical models using R and RStudio to predict sale price of houses based on a variety of factors
* Learned a feature of RStudio called R Shiny to build the structure of the model and results into a user-friendly web format
* Deployed a model and data into a website so users can pick a house they want or predict the price of a theoretical house
* Worked with a coworker and professor to build the model
* Merged and revised individual and collaborative work using GitHub
* <https://fargo-moorhead-housing.shinyapps.io/fm_market_shiny/>

***Website Developer,*** Undergraduate Research, Concordia College, MN June 2019 – August 2019

* Deployed a new website for Concordia’s research department (URSCA) (ursca.org)
* Created features including web forms so students could input research projects and abstracts into the website database
* Developed familiarity with the WordPress platform, along with HTML, JavaScript, CSS, and PHP
* Collaborated with coworker and professor on making decisions for what forms and programs to use for the URSCA website

***Tutor***, Mathematics and Computer Science, Concordia College, MN July 2021 – May 2022

* Mentored students in courses such as Intro to Computer Science, Calculus I, and Intro to Data Analytics
* Fostered learning while guiding students to completion in large Java coding projects and small computational assignments
* Helped students learn coding by getting their ideas and supporting them on translating ideas into Java code
* Assisted students in their learning of detail-oriented assignments, including regular expressions
* Refined support and communication skills while modelling a growth mindset for students

**Leadership Experience**

***Teammate*,** Tennis Team,Concordia College, MN September 2018 – May 2022

* Gained skills rapidly, from not playing tennis in high school to becoming the number one singles player on the college team
* MIAC All-Conference Honorable Mention (2022)

***Co-President*,** Data Science Club,Concordia College, MN December 2021 – May 2022

* Co-founded the Data Science Club at Concordia along with four other students
* Held bi-weekly club meetings to benefit data-oriented students

***Presenter*,** Mathematical Association of America,North Central Section Fall Meeting October 2021

* Communicated findings of Fargo-Moorhead housing research to academics in the field of mathematics
* Collaborated with teammate to deploy a practiced, timely presentation
* Answered questions from various academic faculty members about data research methods and programming techniques

**Skills**

* Test-driven software development experience using debugging tools in Visual Studio Code
* R proficiency in the RStudio development environment
* Data analysis, including data mining, forecasting, statistical modelling (R)
* Operating systems work in Linux OS (using C) and Linux terminal commands (via Ubuntu)
* Scripting language experience including Python (PyCharm) and JavaScript
* Database management, including SQL (Relational) and Object-Oriented Databases
* Object-Oriented Programming, including Java
* Version control with GitHub Actions, JIRA
* Web development, including HTML, CSS
* High-level mathematics, including: Probability, Statistics, Real Analysis, Differential Equations, Linear Optimization
* Technical writing
* Teamwork and collaboration