

# Alexander C. Dickey

Seattle, WA | (214) 356-7663 | [dickey.a@northeastern.edu](mailto:dickey.a@northeastern.edu)  
[github.com/alexddickey](https://github.com/alexddickey) | [linkedin.com/in/alexcdickey](https://linkedin.com/in/alexcdickey)

## EDUCATION

**Northeastern University**, Seattle, WA  
Master of Science in Computer Science

Expected December 2024  
GPA: 4.0

**Vanderbilt University**, Nashville, TN  
Bachelor of Science in Human and Organizational Development

May 2020

## TECHNICAL SKILLS

**Languages:** Python | Java | C | C++ | HTML5 | CSS | JavaScript | Regex | JSON

**Developer Tools:** Linux | Unix | Git | IntelliJ | VS Code | Unity | UE5

**Frameworks:** Flask | React-Native | Swift | MySQL

**Courses:** Algorithms | Object-oriented Design | Data Structures | Web Development | Discrete Mathematics

**Soft-Skills:** Problem solving | Leadership | Adaptability | Communication | Critical thinking | Collaboration

## PROFESSIONAL EXPERIENCE

**Northeastern University**, Seattle, WA  
Teaching Assistant

January 2023 - December 2023

*CS5008 Algorithms & CS5001 Foundations of Computer Science*

- Ran weekly lab sessions and hosted office hours twice a week for 40+ students
- Provided thorough and frequent feedback on 60+ assignments per test cycle
- Completed all 12-weeks of assignments, improving overall understanding of course content and teaching ability

**Slingshot Prep, LLC**, Dallas, TX  
Professional Act Tutor

January 2021 - September 2022

- Responsible for virtually educating 20+ students, achieving a 100% success rate in meeting expected scores
- Spent 300+ hours reviewing and researching previously administered tests, taking 100% of ACTs since 1997
- Communicated with families daily regarding timeline, expectations, difficulties, and preparedness

**BluWave, LP**, Nashville, TN  
Strategic Account Executive / Intern

August 2019 - December 2019

- Paired dozens of Private Equity Funds with industry experts, fostering a lasting, mutually beneficial relationship
- Onboarded 50+ individuals, pinpointing areas of expertise and assessing fit for any currently available opportunities
- Developed a quarterly newsletter to showcase open opportunities from Private Equity clients to service providers

## PROJECTS

**Arcade Suite**, Python | Java | Swing | Processing

September 2022 - Present

- A suite of classic arcade games, including playable versions of Checkers, Othello, Pac-Man, Minesweeper, Tetris, Sokoban, Poker, Brick Breaker, Skunk, and Destructo
- The games contain custom UX, toggleable AI, difficulty settings, and scorekeeping

**Gesture-based Music Notation App**, Java | Abstract Window Toolkit

September 2022

- A gesture-based application, enabling users to create sheet music, edit notes, and save music notation
- This app implements gesture recognition, reaction architecture, bidding methods, and shape training

**League of Legends Champion Selector App**, Python | Sklearn

November 2022 - December 2022

- Collaborated with a team of 3 to create an application that would return an optimal champion selection given 10+ variables such as current meta, team composition, and champion proficiencies
- Used Gaussian and Multinomial Naive Bayesian models, regression models, and multi-attribute choice matrices

## ADDITIONAL INFORMATION

- Overwatch: Ranked Top 100 in Americas region
- Pokémon Go: Level 50 | Top 250 on Go Battle League global leaderboard
- Bowling: Best score - 209
- Rugby: 5-years' experience as wing and scrum half