

# Anthony Hevia

[anthonyxhevia@gmail.com](mailto:anthonyxhevia@gmail.com)

## EDUCATION

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**Hamilton College**, Clinton, NY | GPA: 3.6 (Dean's List)

Graduated May 2024

- Bachelors in Computer Science and Mathematics
- Coursework: Genetic Programming, Artificial Intelligence, Algorithms and Data Structures, Principles of Programming Languages, Real Analysis, Modern Algebra, Linear Algebra, Multivariable Calculus, Differential Equations, Symbolic Logic

**Aquincum Institute of Technology (AIT)**, Budapest, Hungary

- Spring 2023 semester abroad during Hamilton College attendance
- Coursework: Mobile Software Development, Graph Theory, Computer Graphics

## PROJECTS

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### Coding Projects:

- Genetic Programming System (PushGP implementation in Clojure)
- Graph Bipartitioning Experiment (Python/C++ implementation and testing of graph partitioning algorithms)
- Mancala (an exercise in circular linked lists and class inheritance)

## EXPERIENCE

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**Genetic Programming Researcher, Hamilton College Computer Science Department**

June 2023 – Aug. 2023

- Implemented new features in the Code Building Genetic Programming (CBGP) system
- Research in concepts such as ad-hoc polymorphism and its applications to CBGP

**Computer Science Researcher, Hamilton College Computer Science Department**

Jan. 2022 – Aug. 2022

- Research in finding potential data reductions for the NP-hard Minimum Vertex Clique Cover Problem
- Implemented a linear program to determine a lower bound on Min VCC for sparse graphs
- Co-authored [Solving Edge Clique Cover Exactly via Synergistic Data Reductions](#) for European Symposium on Algorithms (ESA 2023)

**Computer Science Teaching Assistant, Hamilton College**

Jan. 2021 – May 2024

- Graded student homework and projects
- Hosted TA drop-in hours and lab sessions to answer questions from students regarding programming
- Classes Covered: CS101 (CS for All, Python), CS102 (Design Principles, C++) , CS230 (Algorithms and Data Structures), CS220 (Principles of Programming Languages)

**Digital Scholarship Services Senior Intern, Hamilton College, Clinton, NY**

Jan. 2021 – Dec. 2022

- Participated in research regarding underwater photogrammetry using a remotely operated vehicle
- Archival work, scanning artifacts and creating digital 3D models
- Worked on interdisciplinary digital collection projects across various web development and metadata platforms including Omeka S, CollectionBuilder, and WordPress
- Organized and parsed metadata to determine the best way to group and display information for a given project

**LITS Help Desk Tier 1 Support, Hamilton College, Clinton, NY**

Sept. 2020 – Nov. 2022

- Assisted clients regarding technical issues, troubleshooting over the phone
- Conducted independent research regarding issues and following up on them via the Cherwell system

## ACTIVITIES

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Aug. 2020 – May 2024

*Hamilton College*, Clinton, NY

- **Member**, Hamilton College Coding Team
- **Member**, Hamilton College Brothers Organization

## SKILLS

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- Technical Skills: Python, C++, Kotlin, GLSL, Clojure, Git, HTML, Office 365, G Suite, MacOS and Windows