Henry Wandover

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Education

Bard College *September 2021 – May 2025*
Bachelor's in Computer Science, with a minor in Political Studies
- **Relevant Coursework:** Algorithms, Design of Programming Languages, Discrete Mathematics, Principles: Computing Systems, Software Development

Technologies

Languages: C, C++, Java, Python, OCaml, JavaScript (HTML/CSS)
Libraries/Tooling: Shell, Git, SDL, OpenGL, React, CMake, .NET, NuGet Package Management
Operating Systems: Linux, Windows, MacOS

Experience

Research Assistant *Annandale-on-Hudson, New York*
Bard College *September 2023 – May 2025*
- Assisted Dr. Theresa Law with experiments on robotic agents interrupting "groupthink" in human decision-making.
- Developed and deployed a Svelte web application for data collection, and wrote Python scripts to program Aldebaran's Nao and Anki's Cozmo robots for experimental protocols.
- Participated as a faux participant in the in-person baseline experiment.

Office Intern *Kingston, New York*
New York State Assembly Office of Assembly Member Sarahana Shrestha *September 2023 – April 2024*
- Led community outreach sessions on potential legislation and constituent concerns.
- Managed constituent inquiries and facilitated inter-office collaboration.
- Gained experience in office organizational practices and collaborative project management.

Projects

Filesystem Organization Daemon *Hosted on GitHub*
- Developed a GNU Linux utility for home directory organization via ini config files.
- Utilizes my self-published C library (libreis) for POSIX-compliant daemon management.
- Written in pure C99, relying on libreis for hash tables and daemon construction.
- Packaged with GPG signature for verification; buildable with GNU Make.

Subkind Classes for Links *Hosted on GitHub*
- Contributed to the University of Edinburgh's Links, a functional web-domain language providing unified front-end, server, and database implementation.
- Contributed type-safe ad hoc polymorphism (function overloading), e.g., for arithmetic operators.
- Achieved via reinterpretation of Haskell's type classes, focusing on subkinds.
- Utilized kinds (higher-order types) for contributions, aligning with Links' architecture.

Activities

Activities and societies: Varsity Men's Tennis Team (SAAC), Lab Monitor, Regional Representative for ISO, Bard Debate Team

Honors

Book Awards for Excellence in Language Learning – Hebrew, Bard College Jewish Studies Program May 9, 2024