Logan Davis

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Education
Marlboro College, Marlboro, VT, May 2017.
- *Bachelor of Arts, Computer Languages*
- Thesis: *Intentions and Operations*: A Plan of Concentration, Advisors: Professor Jim Mahoney, Professor John Sheehy, and Professor Matan Rubinstein.
    - A collection writing and software exploring modular personal narrative through phenomenologically informed, nonlinear essays; developed a programming language for the Arduino family of prototyping boards.

Selected Exhibitions
- **Speaking of Strange…** , Group Exhibition, *Feats of Clay*, Austin, TX; April 2022.
- **/dev/random**, Solo Exhibition, *Drury Gallery*, Marlboro, VT; April 2017.
- **Art Over Campus**, Group Exhibition, *Marlboro College*, Marlboro, VT; March 2017.

Selected Publications
- **"Hair After Chemo,"** Essay, *Vol 1 Brooklyn (online)*, February 2022.
- **"Salchow and Seminoma,"** Essay, *Vol 1 Brooklyn (online)*, June 2021.
- **"Self,"** Photography, *Lose The Film*, May 2021.
- **"Throwaways,"** Photography, *Lose The Film*, January 2021.

Teaching Experience
Intro Maker Electronics Lab, Marlboro College, Marlboro, VT | January 2017 - May 2017.
Teaching Assistant, Professor Jim Mahoney
- Supported lesson planning for an electronics and coding course for non-STEM students.
- Gave one-on-one help to students debugging projects.

DNA: Barcode of Life, Marlboro College Pre-College Program, Marlboro, VT | June 2015.
Teaching Assistant, Professor Todd Smith
- Created lesson plans to teach students how to construct their own DIY biology lab equipment.
- Worked with the professor and students to create alternative projects for students who wanted to focus on the programming and electronics aspects of the class.

Finding The Key, Marlboro College Pre-College Program, Marlboro, VT | June 2015.
Teaching Assistant, Professor Matt Ollis
- Taught formal logic and aided in teaching combinatorics, set theory, and game theory.
- Co-facilitated discussions with students applying mathematics to a wide range of games.
- Helped students create and analyze homebrew modifications to existing games using mathematical models.

Ways of Knowing, Marlboro College Pre-College Program, Marlboro, VT | June 2014.
Teaching Assistant, Professor William Edelglass
- Helped lead discussion on philosophical texts themed around "ways of knowing."
- Lead meditation and group activities to deepen student engagement with the class material.

Building Social Change, Marlboro College Pre-College Program, Marlboro, VT | June 2014.
Teaching Assistant, Faculty Angela Berkfield
- Aided local activists to teach students fundamentals for organizing local political movements.
- Ran workshop sessions in which students develop strategies to organize around issues facing their own communities.

Institutional Service
Committee On The First Two Years, Marlboro College, Marlboro, VT | January 2017 - May 2017.
Student Committee Representative
- Discussed and developed proposals for new academic policies for students in their first 2 years at the college to be brought to vote by the faculty committee.
- Interviewed and discussed tenure track applicants as part of faculty hiring panels.

Maker Space Lab, Marlboro College, Marlboro, VT | September 2016 - May 2017.
Coordinator
- Monitored and maintained a maker space on campus for any students interested in programming, circuit bending, laser cutting, or 3d printing.
- Offered technical assistance to community members such as making lighting rigs for art shows, installing speakers for sound performances, or consulting on environment monitoring equipment.

Marlboro Town Meeting, Marlboro College, Marlboro, VT | January - December 2015.
Head Selectperson
- Elected to lead Marlboro College's self governance system. Led a committee of faculty, students, and staff to orchestrate town meetings for the college to discuss policies and bylaws inclusive of student housing, library operations, site maintenance and improvements, federal regulation implementations, and subcommittee charges.
- Managed student worker positions, mentored committees on how to craft policy language.
- Taught new community members about the college's governance structure.
- Coordinated efforts with the president of the college.
- Acted as representative to the board of trustees on behalf of the community.

Conferences and Presentations
- "**MinNo: A Language For Arduino Development Boards**," *Consortium for Computing Sciences in Colleges*, The College of the Saint Rose, Albany, NY, April 2017.
- "**MinNo: A Language For Arduino Development Boards**," Marlboro College, Vermont, VT, March 2017.

Work Experience
- **Manager of Data Engineering,** *Finvi,* Austin, TX; February 2021 - Current.
- **Principal Engineer of R&D,** *Pairity AI*, Austin, TX; June 2019 - February 2021.
- **Lead Software Engineer,** *Pairity AI,* Cambridge, MA; February 2018 - June 2019.
- **Software Engineer,** *Black Duck Software,* Burlington, MA; June 2017 - February 2018

Skills and Equipment Proficiencies
Computer Processes and Equipment:
- *Backend programming:* Python, Flask, Graphql, GRPC, OpenAPI, Java, Scala, and Node.js.
- *Frontend programming:* React and Javascript.
- *Database architecture:* Postgres, Redis, and JanusGraph.
- *Compiler design:* Racket and Backus-Naur Form.
- *Photo Editing*: Lightroom.

Studio Processes and Equipment:
- *Photography:* film development, large format photography, black and white photographic printing, DSLR & mirrorless video camera operation, and experimental photo-chemistry development.
- *Ceramics:* wheel throwing, hand building, glaze application, and oxide printing.