

Malcolm Groves

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[GitHub](#) • [LinkedIn](#) • [Portfolio](#)

PROJECTS

Handwritten Digit Recognition (C++)

[GitHub](#)

A nature-inspired genetic algorithm / neural network hybrid

- Achieves >93% accuracy after image compression.
- Outperforms simple neural network with 75% fewer nodes.

Buck Tagger (Ruby on Rails, Javascript)

[Live](#) • [GitHub](#)

The social network for hunters

- Implements Google Maps API and Google Geocoding API.
- Generates geospatial statistics for deer hunts.
- Passwordless user authentication with oauth.

Check out my other projects and OSS contributions on my [GitHub](#)

EXPERIENCE

The Dublin School (Chemistry Teacher) Sept 2017 - Present

- Collaborated with STEM faculty to design a curriculum that incorporated technology into labs and projects.

Bowdoin College (Student Researcher) Jan 2016 - May 2017

- Presented first characterization of the kinetics of 8N2OH at National ACS Conference in San Francisco.
- Developed MatLab programs for results visualization, signal deconvolution, and regression analysis of steady-state systems.

Bowdoin College (IT Student Services) Sept 2016 - May 2017

- Solved technical problems and generated tickets for IT staff.

EDUCATION

Bowdoin College (B.A. in Chemistry)

GPA: 3.87 / 4.00

- Phi Beta Kappa, Dean's List (2014–17), Cum Laude
- Nordic Ski Team: Captain 2015–16 & 2016–17, top male skier 2016–2017, Academic All-American (2014–17)

Java
Rails

C++
git

JavaScript
React

HTML
CSS

CSS
SQL

Python
GIS

OTHER

- Current [record](#) holder on the 18 mile NH Presi Traverse
- 2018 Birkebeinerrennet Merket qualifier
- GRE: Quantitative – 170 / 170, Verbal – 169 / 170