

Malcolm Groves

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

PROJECTS

ESLint *(JavaScript)*

[GitHub](#)

Open source code linter for JavaScript

Developed 6 merged pull requests. Fixed the prefer-template rule to prevent autofixing of octal escape sequences and added unit tests.

Handwritten Digit Recognition *(C++)*

[GitHub](#)

Machine learning genetic algorithm / neural network hybrid

Achieved >93% accuracy with 75% fewer nodes by applying a genetic algorithm to image compression before training the neural network.

Buck Tagger *(Rails, JavaScript)*

[Live](#) • [GitHub](#)

The social network for deer hunters

OAuth for passwordless user authentication, AWS for image storage, and a georeferenced PostgreSQL database for lightning-fast querying.

EDUCATION

Bowdoin College *(B.A. Chemistry)*

GPA: 3.87 / 4.00

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

EXPERIENCE

The Dublin School *(Chemistry Teacher)* Sept 2017 - June 2018

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

Bowdoin College *(Student Researcher)* Jan 2016 - May 2017

- Presented results at the 2017 National ACS Conference and published a [paper](#) in the professional PCCP journal.
- 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.

Java	C++	JavaScript	HTML	CSS	Python	Ruby
Rails	git	React	AWS	SQL	GIS	Heroku