Malcolm Groves

(802) 989-3257 • macgroves@gmail.com
325 Martin Drive, Boulder, CO 80305
GitHub • LinkedIn • Portfolio

PROJECTS

ESLint *(JavaScript)*   GitHub
Open source code linter for JavaScript
- Contributed several merged pull requests for linter rules.
- Developed unit tests to prevent regression and test edge cases.

Handwritten Digit Recognition *(C++)*   GitHub
Machine learning genetic algorithm / neural network hybrid
- Achieves >93% accuracy after image compression.
- Outperforms simple neural network with 75% fewer nodes.

Chess *(React)*   Live • GitHub
Two player chess game in the browser
- Modular code structure that follows React best-practices.
- Complete with move highlighting and check detection.

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)

GRE: Quantitative – 170 / 170, Verbal – 169 / 170

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 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.

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