

Marc Bucchieri

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SUMMARY

Since graduating with a Bachelor of Science in Mechanical Engineering from Tufts University I have grown my interpersonal and management skills through several years working in the education field. Most of my recent work involves web development for the non-profit White Mountain Science and Java instruction for KtByte.

My twin passions are helping people develop and discover themselves and designing creative solutions for human problems, often in the education and medical fields.

PROFESSIONAL EXPERIENCE

November 2016 - Present

Full Stack Developer, White Mountain Science, Inc., Littleton NH

- Develop educational sites using Javascript, HTML5, JQuery, Google Cloud Functions, and multiple APIs including REST
- Assist with teacher professional development workshops and after school programs in K-12 classrooms
- Created Instructor Developer Corps program for seasonal employees to assist with product development and outreach
- Created bottom-up server configuration, Flask-based web app, and database tools on wmsinh.org

February 2020 - Present

Java Instructor, KtByte

- Teach beginner- and intermediate-level computer science classes.
- Keep classes engaging and intuitive for early learners.
- Code and explain solutions to programming challenges

January 2019 - Present

Freelance Engineer, Self-Employed via Upwork

- Create a variety of full stack web development products to meet client needs, including React.js front end work.
- Use CAD tools to design medical device accessories for HK Ideation
- Produce structural CAD models and drawings for residential and industrial clients.
- Maintain professional-level competence with mechanical design and web development tools.

November 2019 - March 2020

Adaptive Ski Instructor, Oregon Adaptive Sports, Bend OR

- Create life-changing experiences for clients with varying abilities
- Maintain professional-level ski instructor certifications
- Contribute to non-profit fundraising efforts and community-building

VOLUNTEER WORK

MONTH YEAR – MONTH YEAR

Position, Organization, City, State

SKILLS

Full Stack Developer: React/ Redux, Node.js HTML5, Javascript, JQuery, Git, Python, REST API, UI Design, C++, Java

Mechanical Engineer: Solidworks, Onshape, AutoCAD, Matlab, Labview

EDUCATION

Class of 2016

Tufts University, Somerville MA

Bachelor of Science in Mechanical Engineering, 3.91 GPA

Tufts Mechanical Engineering Award

Jason H. & Eleanor H. Samuels Mechanical Engineering Prize