Megan H. Varnum

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EDUCATION

Smith College, *Northampton, MA*
Computer Science — *Expected May 2024*
Washington State University, High School Dual Enrollment — *2017 - 2019*
Pullman High School, *Pullman, WA* — *2015 - 2019*

AWARDS

STRIDE Research Scholarship, $95,540 — Smith College
Valedictorian, National AP Scholar, National Chemistry Olympiad Semifinalist — Pullman High School

SKILLS

C, C++, Java, R, PHP, SQL, Javascript, HTML/CSS, Rappid, Node, Backbone, Sass

TECHNICAL EXPERIENCE

Drivers Ed Solutions, Eau Claire, WI
Software Developer Intern — *March 2022 - Aug 2022*

- Improved a database-driven web application using SQL, PHP, and front-end web languages and frameworks (e.g. HTML/CSS, AJAX, Sass, chart.js)
- Implemented a software feature enabling students to upload paperwork files to satisfy course completion
- Supported and troubleshooted client and customer issues and software requests

Grubb Computer Science Lab, Smith College, MA
Research Assistant — *Sept 2019 – Present*

- Investigated methods of visualizing trends in path-based simulation results over time
- Developed visual overlay to aid user understanding on top of Javascript libraries, namely joint.js
- Learned about web development and requirements engineering
- Effectively worked as part of a team both virtually & in-person, and demonstrated excellent communication through published articles and conference presentations (see below)

ADDITIONAL EXPERIENCE

Retail Sales Associate & Webmaster, **The Baker's Pin,** Northampton, MA — *Aug 2021 - Feb 2022*
Lifeguard and Swim Instructor, **Aquatic Center & Reaney Park Pool**, Pullman, WA — *Jan 2017 - Aug 2019*
Materials Engineering Intern, **Wolcott Lab**, Washington State University — *June 2017 - Aug 2017*

PUBLICATIONS

M.H. Varnum, K.M.B. Spencer, A.M. Grubb: Towards an Evaluation Visualization with Color. In Proceedings of the 13th International i* Workshop: 79-84 (2020)

M. Dhaouadi, K.M.B. Spencer, **M.H. Varnum**, A.M. Grubb, M Famelis: Towards a Generic Method for Articulating Design-time Uncertainty. Journal of Object Technology. 20(3): 3:1-14 (2021)

EXTRACURRICULARS

NCAA Track & Field and Cross Country at Smith College — *Aug 2019 - Present*