Dylan Herina

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Education:

Boston University: College of Engineering, Kilachand Honors College - Class of 2018
>   Bachelor of Science Computer Engineering

Work Experience:

Software Engineer II - Wayfair (June 2018 - present) - Boston, MA
- <u>Led engineering design team of 5 to deliver new customer-focused features on "Browse" type pages</u>
  - Technical stack included: PHP, ReactJS, Redux, Webpack, GraphQL, and MySQL
  - Developed and implemented technical designs for A/B testing new features
  - Coordinated and ran architectural planning meetings, scoping sessions, post-mortems, and retros with my team and others
  - Worked with product management, QA, analytics, and design teams to prioritize work for the team and determine accurate delivery estimates
- <u>Monitored and optimized "Browse" page types for web vital performance</u>
  - Refactored Wayfair's legacy codebase to be parallelizable and performant
  - Worked with other engineering teams to negotiate performance budget SLAs
  - Monitored performance and errors with InfluxDB in Grafana, Chrongraf, Datadog
  - Responded to critical performance/functional issues
  - Investigated performance regressions and worked with other teams to resolve them
  - Interviewed candidates for entry level positions
  - Review and approve commits by other engineers

Intern at Museum of Science Tech Studio - Exhibit Design and Education (January 2018-September 2018) Boston, MA
- Assisted museum staff with exhibit and curriculum design process
- Explained engineering and scientific concepts to museum guests of all ages
- Facilitated interactive exhibit activities

Computer Science Course Instructor at Codemakers Inc. (May 2017-September 2017) - Belmont, MA
- Instructed classes of middle school and high school students in introductory and intermediate level Python Programming
- Designed lesson plans, developed coursework with a team of instructors
- Engaged students with hands on exercises and activities

Software QA Co-op/Internship at AIR Worldwide (May 2016 – December 2016) - Boston, MA
- Designed automated and manual software tests to ensure products met standards using the following skills: C#, Gherkin Testing Suite, Microsoft Test Manager

Student IT Technician - Boston University Informational Services & Technologies (2015-2017) - Boston, MA
- Diagnosed, documented, and repaired personal computer software issues
- Developed and implemented methods to repair computers, both hardware and software
- Explained issues and repairs to clients

Technical Skills:

Languages:	PHP, Java, Python, JS, SQL, C++, C#, Matlab, IDL, Fortran
Frameworks/etc:	ReactJS, ReduxJS, Webpack, GraphQL, Redis, Memcached, Git
Analytics:	InfluxDB with Grafana and Chronograf, Datadog, Kibana

Publications:

- Mendillo, M., Narvaez, C., & Campbell, B., ack. **Herina D.** (2017). The total electron content of the Martian ionosphere from MRO/SHARAD observations. Journal of Geophysical Research: Planets, 122, 2182– 2192

- M. Mendillo, C. Narvaez, **D. Herina** and B. Campbell, 2015. Comparison of MAVEN topside ionosphere observations with MRO/SHARAD total electron content morphologies. December 14-18, 2015. American Geophysical Union Fall Meeting, San Francisco, CA