

LAURA G. NEHER
CURRICULUM VITAE

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122 Lamont Dr.
Decatur, GA 30030

EDUCATION

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|-------------------|--|
| Expected May 2023 | M.Ed. in Educational Psychology- Gifted and Creative Education University of Georgia |
| May 2009 | MS in Electrical Engineering George Washington University |
| May 2005 | BS in Aerospace Engineering Massachusetts Institute of Technology |

PROFESSIONAL EMPLOYMENT

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| 2009 – 2018 | Riverbed Technology (and formerly, OPNET), San Francisco, CA Senior Consultant, Professional Services <ul style="list-style-type: none">• Contracted primarily to MIT Lincoln Laboratory (2011-2018) and SPAWAR Systems Center (2010-2011)• Conducted high-fidelity modeling and simulation for research and development of military wireless communication networks.• Designed and executed a proof-of-concept experiment during a Navy wartime exercise. Analyzed/synthesized data to diagnose and document root causes of complex network problems.• Maintained a Top Secret Clearance for 10 years. |
| 2005 – 2009 | Booz Allen Hamilton, McLean, VA Associate, Global Defense Team <ul style="list-style-type: none">• Led a geographically dispersed team of engineers to cooperate in developing an interoperability strategy for satellite ground systems. |

OTHER EMPLOYMENT

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| 2021 – 2022 | Dr. Spomenka Newman, Psychological Services for Children Informal paid employment; detailed editing of 10 psychoeducational reports. |
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SERVICE

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| 2010 - 2017 | MIT Admissions Office |
| 2021 - Present | Educational counselor (interviews + reports) for over 70 applicants to date. |
| 2006 - 2008 | Northern Virginia Family Services Training Futures Program Volunteer assistant to the classroom instructor. Tutored immigrant adults for 4 hours/week in various computer skills. |

PUBLICATIONS

Conference Papers

National

- S. Pudlewski, B. Shrader, L. Herrera, N. M. Jones and A. P. Worthen, "MQCC: Maximum queue congestion control for multipath networks with blockage," *2015 IEEE 12th International Conference on Mobile Ad Hoc and Sensor Systems*, 2015, pp. 91-99. Dallas, TX.
- B. Shrader, S. Pudlewski, L. Herrera, N. M. Jones and A. P. Worthen, "A multipath routing overlay for networks with blockage," *2015 12th Annual IEEE International Conference on Sensing, Communication, and Networking*, 2015, pp. 283-291. Seattle, WA.

Conference Demonstrations

National

- W.C. Barto, A. Brennen, L. Herrera, N.M. Jones, S. Pudlewski, B. Shrader, and A.P. Worthen. (August 2014). Routing overlay for reliable communication in networks with blockage. Demonstration conducted at the 15th ACM International Symposium on Mobile Ad Hoc Networking and Computing. Philadelphia, PA. <https://doi.org/10.1145/2632951.2636056>

RECOGNITIONS AND AWARDS

- 2014 **ACM MobiHoc Best Demonstration Award**
Group Demo: "Routing Overlay for Reliable Communication in Networks with Blockage". Awarded by the Association for Computing Machinery (ACM) International Symposium on Mobile Ad Hoc Networking and Computing.

TRAINING

- 2022 **Certified SENG Model Parent Group (SMPG) Facilitator Training**
Training conducted by Supporting Emotional Needs of the Gifted (SENG) to prepare facilitators to lead parent support groups for gifted/2e children.
- 2016 **Riverbed Technology Leadership Training Program**

PROFESSIONAL AFFILIATIONS

- 2022 – Present **National Association of Gifted Children**
- 2021 – Present **Georgia Association of Gifted Children**

LANGUAGES

Italian: Intermediate Listener, Reader, and Speaker