Adam Fidel

adam@fidel.cloud • Dallas, Texas • https://fidel.cloud

| WODE | | | |
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| WORK EXPERIENCE | Intel, Austin, TX Middleware Development Engineer Development of a parallel C++ library for GPUs (Intel oneDPL). | Aug 2022 – Present | |
| | Quantlab, Houston, TX Senior Quantitative Developer Development of a low-latency C++ automated trading platform. | Mar 2019 - Aug 2022 | |
| | Google , Mountain View, CA, USA Software Engineer, Ph.D. Intern Member of the search infrastructure team. Designed and implemented parallel graph mining algorithms for mas | Sep 2015 – Dec 2015 sive scale graphs. | |
| EDUCATION | DUCATION Texas A&M University, College Station, TX, USA | | |
| EDUCATION | Doctor of Philosophy (Ph.D.) in Computer Science Cumulative GPA: 4.0 / 4.0 Advisors: Professors Nancy Amato and Lawrence Rauchwerger Research areas: High performance computing, parallel algorithms, parallel graph processing. Dissertation: Bounded Asynchrony and Nested Parallelism for Scalable Graph Processing | December 2021 | |
| | Texas Tech University , Lubbock, TX, USA Bachelor of Science (B.S.) in Computer Science Summa Cum Laude Cumulative GPA: 4.0 / 4.0 | May 2010 | |
| RESEARCH EXPERIENCE | Texas A&M University - Parasol Lab, College Station, TX, USAResearch AssistantMay 2010 - Dec 2021Advisors: Professors Nancy Amato and Lawrence RauchwergerDeveloper of STAPL, a parallel superset of the C++ Standard Template Library.Designed, implemented novel graph algorithms and techniques that scale up to 131,072+ cores. | | |
| SELECTED PUBLICATIONS Best Paper Award. Harshvardhan, <u>Adam Fidel</u> Nancy M. Amato, Lawrence Rauchwerger, "KLA: A New Algorithmic Paradigm for Parallel Graph Computations," In Proc. Int. Conf. on Par. Arch. and Comp. Tech. (PACT), Edmonton, Alberta, Canada, Aug 2014. | | | |
| | lam Fidel, Sam Ade Jacobs, Shishir Sharma, Nancy M. Amato, Lawrence Rauchwerger, "Using ad Balancing to Scalably Parallelize Sampling-Based Motion Planning Algorithms," In Proc. 2. Par. and Dist. Proc. Symp. (IPDPS), Phoenix, Arizona, USA, May 2014. | | |
| | "An Algorithmic Approach to Communication Reduction in Parallel G | aper Finalist. Harshvardhan, <u>Adam Fidel</u> , Nancy M. Amato, Lawrence Rauchwerger, orithmic Approach to Communication Reduction in Parallel Graph Algorithms," In Proc. f. on Par. Arch. and Comp. Tech. (PACT), San Francisco, CA, USA, November 2015. | |
| | Adam Fidel, Francisco Coral Sabido, Colton Riedel, Nancy M. Ama "Fast Approximate Distance Queries in Unweighted Graphs using Wkshp. on Lang. and Comp. for Par. Comp. (LCPC), Roche 2016. | Bounded Asynchrony," In | |
| SKILLS | C++, MPI, OpenMP, Python, Javascript (React) | | |
| | https://github.com/ledif/ | | |
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https://gitlab.com/ledif/