

Alex Dahl

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University of Maryland Baltimore County
Baltimore, Maryland

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Education

[†] Indicates expected

2016–2021 [†] Ph.D., Computer Science, University of Maryland Baltimore County

2012–2016 B.Sc., Computer Science, University of Minnesota

Papers

[1] Alex Dahl and Adam Bargteil. Global momentum preservation for position-based dynamic. *Symposium on Computer Animation 2019*, Submitted 2019.

Coursework

Physically-based Animation, Fundamentals of Computer Graphics II, Numerical Analysis, Computer Vision, Program Design and Development, Design and Analysis of Algorithms

Appointments

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| 2017–19 | Research Assistant, Computer Science, University of Maryland Baltimore County <ul style="list-style-type: none">• Research in physics-based animation under Dr. Adam Bargteil |
| 2016,2018–19 | Teaching Assistant, Computer Science, University of Maryland Baltimore County <ul style="list-style-type: none">• Held office hours and graded assignments for combined grad/undergrad class.• Graded assignments for a class of 30-40 students.• Taught concurrent lectures when professor was unavailable. |
| 2015–16 | Undergraduate Teaching Assistant, Computer Science, University of Minnesota <ul style="list-style-type: none">• Held office hours and graded assignments.• Ran programming labs.• Ran discussion section when instructor unavailable. |
| 2014–16 | Usability Assistant, Office of Information Technology, University of Minnesota <ul style="list-style-type: none">• Assisted in running user experience testing for a variety of types of software |

- Ran recording and tracking equipment in lab
- Recruited and scheduled for concurrent projects
- Developed Excel plugins to automate scheduling work

Teaching Assistant

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| 2016 Fall | CMSC435/634, Computer Graphics | UMBC |
| 2016 Spring | CSCI2033, Linear Algebra | University of Minnesota |
| 2015 Fall | CSCI1913, Intro to Algs. and Program Dev. | University of Minnesota |
| 2015 Spring, Summer | CSCI1113, Intro to C/C++ | University of Minnesota |

Grader

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| 2018 Fall - 2019 Spring | CMSC435/634, Computer Graphics | UMBC |
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Professional Activities

- Team Member, GOFIRST Student Group IGVC Software Team, 2012–2014
- Team Member, GOFIRST Student Group Autonomous Snowplow Software Team, 2014–2017
- Volunteer, FIRST FRC and FTC Competitions, 2012–2017