

# Niall Williams

347-335-4330, niwilliams@davidson.edu, Davidson, NC  
niwilliams.com | github.com/awoh

## Education

---

- **Davidson College** Davidson, NC  
*B.S. with Honors in Computer Science; Major GPA: 3.757* *Expected: May 2019*

## Work Experience

---

- **Davidson College Center for Teaching & Learning** Davidson, NC  
*Computer Science Tutor* *Aug 2018 - Present*
  - Assist peers in learning new programming languages, troubleshooting coding issues and understanding introductory course-related concepts.
  - Guide peers toward developing an independent thinking style through open-ended questions.
- **Davidson College Math & Computer Science Department** Davidson, NC  
*Computer Science Grader* *Aug 2017 - Present*
  - Grade and provide feedback on assignments for 20–40 students per semester.
  - Feedback includes how to improve code efficiency, debugging, optimization, implementations of different data structures, and cleanliness.
  - Wrote a script for the department to grade a new homework assignment.
- **Davidson College Technology & Innovation Department** Davidson, NC  
*User Success Team* *Aug 2015 - Present*
  - Troubleshoot technical issues with clients on campus.
  - Assist professors with technical emergencies in class.
  - Maintain hardware and equipment in computer labs across campus.
  - Trained new student consultants.
- **Davidson College Mathematics and Computer Science Department** Davidson, NC  
*Undergraduate Research Fellow* *May 2018 - July 2018*
  - Researched perceptual detection threshold gains for rotation with redirected walking in virtual reality.
  - Designed and programmed a full user-study using Unity3D.
  - Ran participants to collect data on imperceptibility of virtual rotation magnitude.
  - Submitted a journal publication to the IEEE VR 2019 conference.
  - Presented research results at Davidson College Math & Computer Science Coffee talk.

## Campus Involvement

---

- **Davidson Electronic Sports Union** Davidson, NC  
*Co-President and Webmaster* *Aug 2015 - Present*
  - Organize and host tournaments for various competitive video games.
  - Built and maintain club website to improve the club's organization and accessibility for new members.
  - Helped the college design a public recreational video gaming room.
- **Davidson College ACM Chapter** Davidson, NC  
*Co-founder and member* *Aug 2018 - Present*
  - Organize events to help prepare peers for graduate school and industry careers.
  - Facilitate academic discussion on computing and expose students to industry news.
- **Davidson College Hackathon Group** Davidson, NC  
*Member* *Aug 2018 - Present*
  - Compete in coding competitions.
  - Learn new technology as necessary for competitions and travel to competitions outside of Davidson.
  - Conduct workshops to introduce students to relevant tools for coding competitions.
  - Competed in competitions outside of the group since 2016.

## Skills

---

- **Programming Languages/Software:** Java, C#, C/C++, Python, R, HTML/CSS/JavaScript, Unity3D, D3, L<sup>A</sup>T<sub>E</sub>X, git