

# Hollis Akins

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## Education

fall 2018– **Grinnell College**, *Dean's Scholar*, Grinnell, IA.  
Intended Physics major, expected graduation May 2022  
Current coursework includes Modern Physics (including relativity, quantum physics, and thermal/statistical physics) and Differential Equations.

2014–2018 **The Early College at Guilford**, Greensboro, NC.  
Public high-school dual-enrollment program with Guilford College  
Coursework included a three-semester introductory physics sequence, computational physics, multivariable calculus, geographic information systems, experience design, observational astronomy, and several semesters of studio art.

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## Experience

fall 2018– **Staff Member**, *Spencer Grill*, Grinnell, IA.  
Helped with food and beverage preparation and customer service.

summer 2018 **Research Assistant**, *Guilford College Cline Observatory*, Greensboro, NC.  
Worked with Professor Don Smith at Guilford College to develop an automated data analysis / photometry pipeline and scripted observer system for the permanently mounted 16-inch telescope at the Cline observatory. This system facilitates current and future student research on variable stars, star evolution, the accuracy and precision of our facility, and more. See more at [\[link\]](#)

fall 2017 **Teaching Assistant**, *Guilford College Art Dept.*, Greensboro, NC.  
Served as a teaching assistant for the introductory darkroom photography class at Guilford College  
Primary duties included conducting class demonstrations, helping students with their work outside of class, and maintaining the cleanliness and function of the photography lab facilities

2017–2018 **Barista**, *Starbucks Coffee Company*, Greensboro, NC.  
Worked as a certified Starbucks Barista preparing food and beverages, maintaining store cleanliness, and satisfying any and all customer needs

2016–2018 **Office Assistant**, *Harris Teeter Supermarkets*, Greensboro, NC.  
Assisted managers in supervising front-end operations by counting and handling the cash in the store, performing daily bookkeeping tasks, working at the customer service desk, and cashiering as needed

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## Selected Projects & Awards

may 2018 Co-wrote a paper with Don Smith at Guilford College on the pedagogical power of the Lucky Imaging technique for photographing planets, published in the Oct. 2018 issue of *The Physics Teacher*. This project began as a presentation for the Guilford Undergraduate Symposium in Apr. 2018 and was modified for publication. See more at <https://doi.org/10.1119/1.5055339>.

2018–2019 Recipient of the Dean's and National Merit Scholarships at Grinnell College

march 2018 Honorable Mention in the SIAM Mathworks Math Modelling Challenge

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## Skills

computer Experienced in Python,  $\text{\LaTeX}$ , GNU/Linux, and MacOS. Some casual experience with HTML5/CSS3.  
Proficient in Adobe Photoshop, Illustrator, InDesign, and Premiere

personal I am a detail-oriented independent learner, able to adapt quickly to new situations

interpersonal I work well on a team, working with other's ideas and contributing my own