Tyler Damon Williams

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EDUCATION

Grinnell College, Grinnell, Iowa
- Bachelor of Arts (B.A.) in Computer Science — Aug 2015 – Present
  - Cumulative GPA: 3.4 / 4.0

INTERNSHIPS

Software Engineering Intern, John Deere — May 2018 – Aug 2018
- **Remote Display Access Update**
  - Designed and implemented Remote Display Access application using ReactJS allowing users to start remote sessions with production machinery
  - Deployed application to cloud using AWS cloud formations generated by Jenkin's pipelining
- **Agile Development Team Member**
  - Implemented new design features to production applications using ReactJS working on both Server and UI cores
  - Participated in scrum team using agile methodologies to improve new and existing applications

IT Intern, John Deere — May 2017 – Aug 2017
- **Dealer Screen Implementation**
  - Built HTML web screens reliant upon Java backends to provide user friendly access
  - Saved over $20,000 as application rewrite allowed dealers to easily download excel files containing data
- **Agile Development Team Member**
  - Participated in a scrum team using agile methodologies managing upkeep of existing applications
  - Spent sprint as *Scrum Master* keeping team members at local office and in India on task

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PROJECTS

Pick-Up Stix (gcstix.com), Co-Founder/ Tech Lead — May 2017
- Developed a grassroots on campus business allowing students to order food from other students through a Ruby on Rails Application.

Volunteer Board, Front/Back-End Development — Jan 2017
- Participated in an agile development team that designed a web application to connect volunteers with seeking organizations.

RESEARCH/ PUBLICATIONS

Arts Coding for Social Good, Grinnell College — May 2016 – Mar 2017
- A pilot program for middle-school outreach in computer science that has transformed into an annual diversity coding camp
- Published in ACM: *Arts Coding for Social Good: A Pilot Project for Middle-School Outreach*

What We Say vs. What They Do, Grinnell College — May 2016 – Mar 2017
- A dive into existing middle-school CS education literature and mainstream coding camps
- Published in ACM: *What We Say vs. What They Do: A Comparison of Middle-School Coding Camps in the CS Education Literature and Mainstream Coding Camps*

SKILLS

Java (Algorithms) ■ Javascript ■ C ■ ReactJS ■ HTML ■ CSS ■ AWS ■ ReactJS ■ Ruby ■ LaTeX ■ Git .

AWARDS

Pioneer Weekend 2.0 First Prize Winner, Grinnell College — Apr 2016
QuestBridge Match Scholar — Dec 2014

ON-CAMPUS ACTIVITIES
- Associated Computing Machinery Grinnell Chapter
- Concerned Black Students President
- Stand-Up Comedy Club