Wode Ni

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Education

Columbia Univeristy *2016.9 - Present*
New York, NY
- B.S. in Computer Science, Advisor: Stephen Edwards
- Major GPA: **4.0**, Cumulative GPA: **3.94**
- Vision, Graphics Track

Dickinson College *2013.9 - 2016.5*
Carlisle, PA
- B.S. in Computer Science, Advisor: John MacCormick
- Major GPA: **4.0**, Cumulative GPA: **3.93**
- Computer Science Departmental Honors

Publications

Substance and Style: domain-specific languages for mathematical diagrams
Wode Ni*, Katherine Ye*, Joshua Sunshine, Jonathan Aldrich, and Keenan Crane.
Domain-Specific Language Design and Implementation (DSLDI), 2017.

Whiteboard Scanning Using Super-Resolution
Wode Ni.
Dickinson College Honors Theses. Paper 221.

Experience

Carnegie Mellon University, Research Experiences for Undergraduate *2017.5 - 2017.8*
Research Assistant
Penrose is a system that automatically visualizes mathematics using two domain-specific languages: Substance and Style. Co-advised by Jonathan Aldrich, Keenan Crane, Joshua Sunshine, and Katherine Ye, I designed and implemented the Style language, and extended the Substance language to support functions and logically quantified statements.

Columbia Univeristy, Computer Graphics and User Interfaces Lab *2017.1 - 2017.5*
Research Assistant
Worked with Steven Feiner on **Cyber Affordance Visualization in Augumented Reality** project. Developed a Microsoft Hololens application that visualizes the Columbia campus in AR environment.

AsiaInfo *2015.6 - 2015.8*
Software Engineering Intern
Worked on web applications and server deployment tools.

Teaching

Teaching Assistant, **Programming Languages and Translators** (COMS 4115)	*Columbia, 2017*
Teaching Assistant, **Introduction to Java II** (COMP 132)	*Dickinson, 2016*
Peer Tutor, **Data Structures and Problem Solving** (COMP 232)	*Dickinson, 2016*
Computer Lab Consultant	*Dickinson, 2014 - 2016*

Honors & Awards

Tau Beta Pi, Engineering Honor Society	*Columbia, 2017*
Computer Science Departmental Honor	*Dickinson, 2016*
Pi Mu Epsilon, Mathematics Honor Society	*Dickinson, 2016*
Upsilon Pi Epsilon, Computer Science Honor Society	*Dickinson, 2014*
Alpha Lambda Delta, First year Honor Society	*Dickinson, 2013*
John Montgomery Scholarship	*Dickinson, 2013*