

## Laurel Powell

College of Computing and Informatics, UNC Charlotte  
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### EDUCATIONAL BACKGROUND

PhD	2020 (anticipated)	University of North Carolina at Charlotte	Computer Science
MS	2018	University of North Carolina at Charlotte	Computer Science – Concentration in Data Science and Management
BS	2014	Catawba College, Salisbury NC	Business Administration – Concentrations in Accounting and Information Systems

### RESEARCH INTERESTS

Data Mining, Computing Education

### PROFESSIONAL HISTORY

Graduate Assistant	University of North Carolina at Charlotte	2015-Present
<i>Instructor for Undergraduate Level Database Systems, Undergraduate Level Logic and Algorithms (Discrete Math for Programmers) and Introduction to Computer Science</i>		
<i>Teaching Assistant for Graduate Level Database Systems, Knowledge Discovery in Databases and Knowledge Based Systems</i>		
Supplemental Instructor	Catawba College	2014
Tutor	Catawba College	2012

### I. TEACHING

#### **Instructor:**

**Introduction to Computer Science I** – Fall 2019, approximately 140-160 students, supervised five teaching assistants. Managed two lecture sections with a co-instructor in one section. Oversaw five labs.

Spring 2019, approximately 50–70 students, supervised three teaching assistants. Oversaw three labs.

Fall 2018, approximately 100 students, supervised five teaching assistants. Oversaw five labs.

Co-taught Summer 2018, approximately 30–40 students, supervised three teaching assistants. Oversaw one lab.

Spring 2018, approximately 50–70 students, supervised three teaching assistants. Oversaw three labs.

**Logic and Algorithms** – Spring 2017, approximately 50 – 60 students. Supervised one teaching assistant. Undergraduate Level Course (Discrete Math for Programmers).  
**Database Systems** – Spring 2016, approximately 50 – 60 students. Supervised one teaching assistant. Undergraduate Level Course.

**Teaching Assistant (2015 – 2017):**

Graduate Database Systems

Graduate Knowledge Discovery in Databases

Graduate Knowledge Based Systems

*Grading, Meeting with Students, Holding Office Hours, Substitute Teaching when professor absent*

Nominated for the UNCC Outstanding Graduate Teaching Award

## II. RESEARCH AND CREATIVE SCHOLARSHIP

"The Construction of Action Rules to Raise Artwork Prices", **L. Powell**, A. Gelich, Z.W. Ras, in Proceedings of the 25th International Symposium on Methodologies for Intelligent Systems (ISMIS'20), Graz, Austria, LNAI, Vol. 12117, Springer, 2020, will appear

"Art Innovative Systems for Value Tagging", **L. Powell**, A. Gelich, Z.W. Ras, in Encyclopedia of Organizational Knowledge, Administration, and Technologies, IGI Global, 2020

"Applying Analytics to Artist Provided Text to Model Prices of Fine Art", **L. Powell**, A. Gelich, Z.W. Ras, in Complex Pattern Mining: New Challenges, Methods and Applications, Studies in Computational Intelligence, Vol. 880, Springer, 2020, 189-211

"Developing Pricing Models for Online Art Sales Using Text Analytics", **L. Powell**, A. Gelich, Z.W. Ras, in Proceedings of 2019 International Joint Conference on Rough Sets (IJCRS'19), Debrecen, Hungary, LNAI, Vol. 11499, Springer, 2019, 480-494

"Strategies to Incorporate Active Learning Practices in Introductory Courses", Dorodchi, M., Dehbozorgi, N., **Powell, L.**, in Faculty Experiences in Active Learning: A Collection of Strategies for Implementing Active Learning Across Disciplines, UNC Press, 2020, will appear

Data Mining: Searching for Hidden Knowledge in Student Retention Data. Boulter, L., Thompson, P., **Powell, L.**, Poster session presented at: Southeastern Psychological Association annual conference; 2014 March 5-8; Nashville, TN.

### III. THESES

**Powell, L.**, Developing a Recommender System for Pricing Contemporary Fine Art.  
Thesis Proposal. Delivered May 2019

### IV. RESEARCH GRANTS

NSF I-Corps Grant through Ventureprise. Served as Entrepreneurial Lead. Began first stage in Charlotte incubator Spring 2017. Second stage in Houston hub Fall 2017.

### V. INVITED TALKS AND PRESENTATION

UNCC College of Computing and Informatics Advisory Board Meeting Student Speaker

### VI. OTHER CONTRIBUTIONS AND RECOGNITION

Member of Phi Kappa Phi Society.

Graduate Assistance in Areas of National Need Fellowship (2014-2016)

*University of North Carolina at Charlotte*

Code.org Volunteer at Elementary Schools

Created Collection of Educational YouTube Videos on Data Mining and Introductory Computing Concepts

<https://www.youtube.com/channel/UCxC911vLGv05O3jXvCkW26A>