

# Curriculum Vitae

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## Elsayed Ahmed

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## RESEARCH INTERESTS

Geometric group theory and number theory. Groups generated by automata. Polynomial dynamics on the ring of  $d$ -adic integers. Bireversible automata.

## EDUCATION

08/2014 { 12/2018	Ph.D. in Mathematics University of South Florida Tampa, Florida, USA Advisor: Dr. D. Savchuk Title: Groups Generated by Automata Arising from Transformations of the Boundaries of Rooted Trees
08/2014 { 05/2016	M.A. in Mathematics, University

## WORK EXPERIENCE

08/2020 { present     Assistant Teaching Professor  
University

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## TEACHING EXPERIENCE

### University of Tampa

Teaching the following courses:

MAT 155	Finite Mathematics for Liberal Arts
MAT 160	College Algebra
MAT 170	Precalculus
MAT 225	Calculus for Business

### Florida Polytechnic University

Teaching the following courses:

MAC 1147	Precalculus Algebra and Trigonometry
MAC 2311	Calculus I
MAC 2312	Calculus II
MAC 2313	Calculus III
MAP 2302	Differential Equations
MAS 3114	Computational Linear Algebra

### University of South Florida

Teaching the following courses:

MAC 1147	Precalculus Algebra and Trigonometry
MAC 2312	Calculus II

Help Sessions in the following courses:

MAC 2233	Business Calculus
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Tutoring the following courses:

MAC 1105	College Algebra
MGF 1106	Finite Mathematics
MAC 1147	Precalculus Algebra and Trigonometry

### Mansoura University

Recitation Sessions in the following courses:

Math 111	Algebra and Geometry
Math 112	Differential and Integral Calculus
Math 211	Real Analysis
Math 215	Linear Algebra I
Math 218	Solid Analytic Geometry
Math 412	Graph Theory
Math 414	Functional Analysis
Math 415	Lie Algebras
Math 418	Lattice Theory

## SKILLS

Languages Arabic (native) and English ( fluent)

Computer I have experience working in GAP and Maple and in publishing scientific documents with L<sup>A</sup>T<sub>E</sub>X