

# ALEXANDROS PAPADOS

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## EDUCATION

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**University of Maryland, College Park**

MS in Applied Mathematics and Scientific Computing

*Beginning August 2019*

**University of Maryland, College Park**

BS in Mathematics

Deans List and Academic Honors

*August 2016 - July 2019*

Major GPA: 3.9/4.00

Overall GPA: 3.45/4.00

## RELEVANT COURSEWORK

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*Numerical Methods for Evolution PDE's, Computational Fluid Dynamics, Finite Element Analysis, Numerical Analysis/Computational Methods, Partial Differential Equations, Ordinary Differential Equations, Real Analysis, Complex Analysis, Applied/Numerical Linear Algebra*

## TECHNICAL STRENGTHS

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**Computer**

MATLAB, C++, Python, FEniCS, L<sup>A</sup>T<sub>E</sub>X, Javascript, MS Office

## WORK EXPERIENCE

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**Department of Mathematics, UMD, College Park**

*Research Interactions with Professor Konstantina Trivisa*

*January 2019 - present*

- Analyzed numerical schemes for Navier-Stokes and Hyperbolic type PDEs to model tumor growth
- Conducted  $L^2$  and  $H^1$  error analysis
- Analyzed CFL conditions

**Board of Elections, Montgomery County, Maryland**

*Chief Election Judge Consolidated Precinct, 2018 Maryland Primary Election*

*May 2018 - July 2018*

- Provided management control over voting operations on Election Day
- Assigned and guided the polling place team to accomplish the election functions such as maintaining an efficient voting flow; facilitating provisional balloting; and, accurately and closing the Voting Units and the polling place

## EXTRA-CIRRICULAR

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**Competitive Irish Dancing**

- Ranked 14th in the World in Irish Dancing
- Ranked 8th in North America in Irish Dancing
- Ranked 2nd in the Southern Region, USA and Mexico