

# Georgios Michalopoulos

## *Curriculum Vitae*

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David R. Cheriton School of Computer Science  
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### Education

- 2017- UNIVERSITY OF WATERLOO, Waterloo ON  
**PhD in Computer Science**  
*Supervisor:* Prof. Ihab Ilyas
- 2014-2016 UNIVERSITY OF PATRAS, Patras, Greece  
**M.Sc. in Computer Science and Engineering**  
GPA: 9.6/10  
*Thesis:* “Parallel algorithms for finding optimal paths in time-dependent networks”,  
*Advisor:* Prof. C. Zaroliagis
- 2009-2014 UNIVERSITY OF PATRAS, Patras, Greece  
**5-year Diploma in Computer Engineering and Informatics, 2009-2014**  
GPA: 8.31/10 (3rd out of 250 students)  
*Thesis:* “Efficient structures for finding time-dependent shortest paths”,  
*Advisor:* Prof. C. Zaroliagis

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### Employment

- 2014-2016 **Software Engineer**, COMPUTER TECHNOLOGY INSTITUTE (CTI), Patras-Greece  
2010-2012 **Supporting Staff**, *Computer Center, Dept. of Computer Engineering & Informatics*

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### Research

- Oct. 2017- UNIVERSITY OF WATERLOO, *Cheriton School of Computer Science*  
*Data Systems Group* (Supervisor: Prof. Ihab Ilyas)  
*Project:* **HoloClean**
- 2014-2016 UNIVERSITY OF PATRAS, *Dept. of Computer Engineering and Informatics*  
*ALGOCUR research group* (Head: Prof. C. Zaroliagis),  
*Project:* **eCOMPASS** Oct.-Dec. 2014 (in collaboration with CTI)  
*Project:* **MOVESMART** Jan. 2015-June 2016 (in collaboration with CTI)

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## Teaching

- 2017- UNIVERSITY OF WATERLOO *Cheriton School of Computer Science*  
**Teaching Assistant**
- 2014-2016 UNIVERSITY OF PATRAS, *Dept. of Computer Engineering & Informatics*  
**Teaching Assistant**  
"Algorithm Implementation Technologies"  
"Algorithms and Combinatorial Optimization"
- 2010-2011 "Programming in a symbolic language" (Laboratory class)

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## Honors and Awards

### Graduate Scholarships

- 2017-2019 GO-Bell Scholarship UNIVERSITY OF WATERLOO

### Graduation Award

- 2017 Award for excellence during undergraduate studies, Technical Chamber of Greece

### Undergraduate awards

- 2011 Excellence in academic studies award, Greek State Scholarship Foundation, Greece  
2010 Excellence in academic studies award, Greek State Scholarship Foundation, Greece

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## Publications

- 2016 Michalopoulos, G., Kontogiannis, S., Zaroliagis, C. (2016).  
Efficient Traffic Information Updating through Parallelization,  
*The 28th European Conference on Operational Research (EURO2016)*,  
July 3-6, 2016, Poznan, PL.
- Kontogiannis, S., Michalopoulos, G., Papastavrou, G., Paraskevopoulos, A.,  
Wagner, D., Zaroliagis, C. (2016). Engineering Oracles for Time-Dependent  
Road Networks, *Proceedings of the 18th ALENEX Meeting on Algorithm  
Engineering and Experiments*, Jan 11, 2016, Arlington VA,  
*SIAM Proceedings*, pp. 1-14, DOI:<http://dx.doi.org/10.1137/1.9781611974317.1>
- 2015 Kontogiannis, S., Michalopoulos, G., Papastavrou, G., Paraskevopoulos,  
A., Wagner, D., Zaroliagis, C. (2015). Analysis and Experimental Evaluation  
of Time-Dependent Distance Oracles, *Proceedings of the 17th ALENEX  
Meeting on Algorithm Engineering and Experiments*, Jan 5, 2015, San Diego CA,  
*SIAM Proceedings*, pp. 147-158, DOI: <http://dx.doi.org/10.1137/1.9781611973754.13>

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## Service

**Organizing committee member:** ALGO 2015

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## Languages

Greek (native speaker), English (proficient user), French (basic knowledge)

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## Skills

C/C++, Map-Reduce (Hadoop), Java, Python, PHP-SQL-HTML-Javascript