

Styliani Pantela

<http://stylianipantela.github.io/>
stylianipantela@gmail.com

EDUCATION

HARVARD UNIVERSITY

A.B. COMPUTER SCIENCE

cum laude

May 2015 | Cambridge, MA

Societies: Hellenic Society
(Co-President) • HackHarvard

LINKS

Github: [stylianipantela](#)

LinkedIn: [stylianipantela](#)

COURSEWORK

GRADUATE

Big Data Systems

Systems Development

Computer Vision

UNDERGRADUATE

Data Systems

Compilers

Operating Systems

Probabilities

Functional Programming (Teaching Asst)

Algorithms

Theory of Computation

Programming Languages

Systems Programming and Machine

Organization

SKILLS & INTERESTS

PROGRAMMING

C • C++ • Objective-C • OCaml

MATLAB • Python • PHP • L^AT_EX

JavaScript • Snap! • Scratch

jQuery • Bootstrap • d3 • Angular.js

MySQL • MSSQL

Git

LANGUAGES

English (Fluent)

Greek (Native)

French (Working Proficiency)

GENERAL INTERESTS

Technology • Reading

Board games • Theater

Running • Climbing • Volunteering

EXPERIENCE

VERTICA | SYSTEMS SOFTWARE ENGINEER | QUERY ENGINE

Aug 2015 – Present | Cambridge, MA

- Implemented key features for the Query Optimizer and Catalog of Vertica. See publications.
- Improved productivity by transitioning the development for the company from SVN to Git. Improved internal tracking of test results by creating a modern dashboard supported by Vertica at the company hackathon.
- Co-Chair for DataGals, the company-wide networking group for Women in Technical Career Paths.
- Founded the company wide academic research paper reading group. Group met weekly for > 1 year and discussed database papers.

WAYFAIR | SOFTWARE ENGINEERING INTERN

Jun 2014 – Aug 2014 | Boston, MA

- Created four loaders for bulk insertion of data. Improved run time of process by a factor of 3 by optimizing SQL execution plans.
- Won the Most Ingenious award at the Wayfair 2014 Hackathon for developing a web platform that enables scheduling for large groups for lunch activities.
- Named Campus Ambassador for Harvard University.

HARVARD UNIVERSITY DEPARTMENT OF COMPUTER SCIENCE

CAMBRIDGE | CS51 TEACHING FELLOW

Jan 2013 – May 2013 | Cambridge, MA

- Lead weekly 1.5-hour sections, covering functional and object oriented programming, recursion, complexity, module and object abstraction, unit testing and design patterns. Graded problem sets, mentored students on final projects and staffed office hours.

RESEARCH

HARVARD DATA SYSTEMS LABORATORY | UNDERGRADUATE RESEARCHER

Sept 2014 – May 2015 | Cambridge, MA

Worked with Prof Stratos Idreos on just-in-time code generation for query optimization in column store databases. Named finalist in SIGMOD 2015 Undergraduate Poster Competition.

PUBLICATIONS

Styliani Pantela, Ben Vandiver and Jaimin Dave, Microfocus Vertica. 2018. Schema Evolution Through Optimistic Concurrency Control. North East Database Day 2018. Thao Pham and Styliani Pantela, HPE Vertica. 2017. Vertica Directed Queries. North East Database Day 2017.

Styliani Pantela and Stratos Idreos. 2015. One Loop Does Not Fit All. In Proceedings of the 2015 ACM SIGMOD International Conference on Management of Data (SIGMOD '15). ACM, New York, NY, USA, 2073-2074.

AWARDS

2015	Finalist	SIGMOD 2015 Undergraduate Research Poster Competition
2014	top 3	Database in Data Systems (CS165) intra-class tournament
2014	Semifinalist	Harvard i3 Competition Semifinalist
2013	Harvard	David Rockefeller International Travel Scholarship