

# ANDREA PAVAN

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Date of birth: 11/12/1993

## EDUCATION

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### University of Padova, Italy

*October 2015 - March 2019*

Master's Degree in Astronomy (07/03/19)

Department of Physics and Astronomy "Galileo Galilei"

Supervisor: Roberto Turolla

Co-Supervisors: Alessandro Drago, Giuseppe Pagliara and Prasanta Char (Department of Physics and Earth Sciences, Ferrara)

Thesis title: "Equilibrium models of rotating compact stars: an application to the post-merger phase of GW170817" (<http://tesi.cab.unipd.it/62439/>)

Mark: 110/110 cum laude

Weighted mean of exams marks: 29.625/30

### University of Padova, Italy

*October 2012 - October 2015*

Bachelor's Degree in Astronomy (09/10/15)

Department of Physics and Astronomy "Galileo Galilei"

Supervisor: Paola Marigo

Thesis title: "Nane Bianche: il limite di massa di Chandrasekhar"

Mark: 109/110

Weighted mean of exams marks: 27.959/30

### Liceo Scientifico "Paolo Lioy", Vicenza, Italy

*September 2007 - July 2012*

High school studies (final mark: 100/100)

## MAIN AREAS OF INTEREST

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Relativistic Astrophysics, General Relativity, Numerical Relativity, Rotating Neutron Stars, Binary Neutron Stars Mergers, Magnetohydrodynamics (MHD), Magnetars, Equations of state.

## TECHNICAL STRENGTHS

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**Operating Systems**

Windows (excellent), GNU/Linux

**Numerical codes**

RNS (excellent), LORENE/rotstar

**Programming Languages & Tools**

Python (excellent), C/C++, Latex

## EXTRA CURRICULAR

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**Heraeus Summer School** - Astronomy from four perspectives: V Multi-Messenger Astrophysics

**Junior Tutor** (10/16 - 06/17): Mathematical Analysis 1,2,3 and General Physics 1 tutoring (lectures and exercises) to Astronomy bachelor students

**Professional Collaboration at UniD Srl** (07/18 - 08/18): Maths and Physics teaching (lectures and exercises) to high school students

## LANGUAGES

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**Italian** Native

**English** Fluent writing and speaking - B1 certification

## MASTER'S PROGRAM DETAILS

| Date       | Didactic activity                   | CFU | Mark         |
|------------|-------------------------------------|-----|--------------|
| 05/02/2016 | General Relativity                  | 6   | 30 cum laude |
| 22/02/2016 | Numerical Computing and Programming | 7   | 30           |
| 20/06/2016 | Fundamental Physics                 | 7   | 30 cum laude |
| 21/07/2016 | Mathematical Physics                | 6   | 29           |
| 22/09/2016 | Theoretical Astrophysics            | 12  | 30           |
| 20/01/2017 | Fluids and Plasma Physics           | 6   | 30           |
| 17/02/2017 | Relativistic Astrophysics           | 6   | 30 cum laude |
| 11/07/2017 | General Astrophysics                | 12  | 30 cum laude |
| 18/09/2017 | Astroparticle Physics               | 6   | 30           |
| 13/02/2018 | Laboratory of Astrophysics 2        | 6   | 28           |
| 23/02/2018 | Laboratory of Astrophysics 1        | 6   | 28           |
| 07/03/2019 | Final Exam                          | 40  | pass         |

20-04-2019

Andrea Pavan