Brunetto Ziosi

Passionate Go developer. Worked with Python, PHP and Fortran. Love data telling stories and the beauty of visual narration. Like simplicity, sharing and collaboration.
Constantly improving, prompted by curiosity, triggered by problem solving. Traveler, geek and a wannabe photographer in the spare time.
Exploring Domain Driven Design, Event Sourcing, Kubernetes and Vue.js.

Skills

</> Go • Python • PHP • HTML/JS/CSS • Docker • Git • MySQL • MongoDB • AWS

Web

brunetto.ziosi@gmail.com
brunettoziosi.eu
github.com/brunetto
gitlab.com/brunetto
docker/brunetto

Contacts

+393474958152
Via Castellana 221
30174 - Venezia
Italy

Work experience

Software Developer @ Pixartprinting - a Cimpress company

Sep 2015 - Present

Member of the IT-Logistics team, develop internal solutions for packaging and shipping management. Design and build Go micro-services on AWS while maintaining the PHP/AJAX/MySQL legacy ERP monolith. Integrate external carriers and outsourcers.

Research fellow @ INAF-OAPd

Jan 2015 - Jul 2015

Study gravitational waves sources in young star clusters by means of direct N-body and stellar evolution simulations. Develop Go and Python code to set up, run and analyse simulations on several remote computing clusters. Modify C++ code to model different physical processes involved.

Teaching assistant @ University of Padova

2012 - 2013

Advise students with theory and exercises for the Python Lab and Mathematical analysis classes.

Intern @ University of Padova

2010

Technical characterization of the Asiago astrophysical observatory, 3D model using Blender.

Education

PhD, Astronomy and Astrophysics @ University of Padova

2012 - 2015

Work on N-body simulations of star clusters to study the impact of stellar evolution and dynamics on neutron stars and black holes binary systems. These objects have been observed as sources of gravitational waves. Develop Go and Python code to set up, run and analyse simulations on several remote computing clusters.

Master degree in Astronomy @ University of Padova

2007 - 2011

Develop Python code to analyse the spatial statistical properties of dark matter halos in the largest cosmological simulations.

Bachelor degree in Astronomy @ University of Padova

2004 - 2007

Develop IDL code to simulate and analyze optical vortexes with different angular momentum. Compare the results with data obtained on the optical bench.

Interests

Programming • Digital photography • Travelling • Diving • Volunteering