

# Gabriel Capella

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## PERSONAL DATA

Date of Birth: 12 January 1995  
Email: gabriel@capella.pro  
Phone: +55 11 98124-5668  
Portfolio: gabrielcapella.com  
Languages: Portuguese, English and Spanish

## EDUCATION

### University of São Paulo - Institute of Mathematics and Statistics

B.S. in Computer Science, 2015 - January, 2019

Fields of study: software engineering, backend development and security

GPA: 9.0 / 10 Graduated With Honors

### University of São Paulo - Institute of Mathematics and Statistics

Master in Computer Science, March 2019 - middle of 2020

Research in remote attestation for embedded devices

## EXPERIENCE

### Backend Team, Top Free Games (Dec 2018 - present)

Building and maintaining distributed backend systems, their scalability and metagames for mobile games.

### Co-founder, *Hardware Livre USP* (Mar 2013 - present)

I co-founded an open-source hardware and software study group at the University of Sao Paulo. Along with other interesting projects, we have worked on DIY Centrifuge, using Arduino, which was presented on iGEM at MIT in 2016.

### Undergraduate Teaching Assistant, University of São Paulo (Mar 2016 - present)

I have worked three times as an undergraduate teaching assistant in "Introduction to Mobile Robotics Programming" course with professor Leliane Nunes de Barros, Ph.D. I have also worked as UTA twice in "Introduction to Computer Science" with professor Yoshiharu Kohayakawa, Ph.D. and Nami Kobayashi, Ph.D. As a teaching assistant, I was responsible for helping students go through the course. Additionally, I helped to create and evaluating all programming activities.

### Teacher, Mastertech (Jan 2016 - Jul 2017)

I was accountable to teach a course on the Internet of Things, covering from basics to building a network with IoT devices, for 25 people at Mastertech, a Brazilian startup focused on teaching tech knowledge. I taught this course five times.

### Undergraduate researcher, Bright Photomedicine (Sep 2015 - Jan 2016)

I was accountable for researching and developing the hardware and software for photomedicine equipment. I have worked upon a few technologies like microcontroller programming and printed circuit board design. Additionally, I received a scholarship from FAPESP, a leading research foundation in Brazil.

### Founder, *USP Avalia* (2015)

I developed a website from scratch to help undergraduate students choose the best classes to take. Additionally, they could review the courses they take to help further students. The project was built upon PHP, MySQL and some analytics tools were used to measure the best features to maintain in the website.

## AWARDS

### Incentive Prize for Participation in Activities (2017)

I was awarded this prize due to all the work I have done at the University of São Paulo (all of which were mentioned before) without affecting my academic performance. I was the first student to be honored and awarded with this prize.