

# Gabriella Puente de Andrade

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## Full Stack Developer Front-end Focused

*I'm a Full Stack Developer with a background in Civil Engineering. Enthusiastic, passionate and used to work with targets and deadlines. As a professor, I bring leadership and teamwork skills, along with great communication. As a civil engineer, I learned to develop strategies for engagement and work with tight schedules. Moreover, I'm eager to learn and continuously improving my skills as a developer, therefore, I believe that my skills would be extremely valuable to help companies meet their goals.*

## SKILLS

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- Develop strategies for engagement;
- Working with tight schedules and deadlines;
- JavaScript ES6+, CSS3, HTML5, Node.js, SQL, NoSQL, MongoDB, MySQL, Express, React, jQuery, Bootstrap, MERN, MVC
- Softwares: Microsoft Office Suite (Word, Excel, PowerPoint, Outlook), Autocad 2D, SketchUp 3D;
- Communication and teamwork skills;

## PROFESSIONAL EXPERIENCE

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### **(2022/08 – Present) Part-time Professor on Integral Calculus – Algonquin College, Ottawa - Canada**

- Planning, teaching and assessing students on derivatives, integral calculus (indefinite and definite integrals, define areas using rectangles, trapezoidal and Simpson's rule, area between curves, substitution rule, integration by parts);
- Assist students on the learning process and formulating quizzes, assignments and tests;
- Grading students and evaluating them on a weekly basis;

### **(2021/10 – 2022/04) Technical Service Field Representative – St. Marys CBM, Ottawa - Canada**

- Responsible for concrete quality control and customer service on the field;
- Perform concrete testing (i.e. density, slump, air, temperature, etc.) and analyze compressive strength results to ensure concrete's quality and performance;

### **(2021/09 – 2021/12) (2020/09 – 2020/12) (2019/09 – 2019/12) Teaching Assistant – University of Ottawa, Ottawa - Canada**

- Assist on Advanced Concrete Technology and Civil Engineering Materials classes
- Effectively communicate and coordinate with the instructor to assist in daily lesson plans, exams and attendance;
- Ensure the safety of the students on lab activities and teach lab classes and perform tests (i.e. slump, compressive strength, tension);
- Assist teaching in reviewing and grading assignments and evaluating students on a weekly basis. Reviewing lab reports;

### **(2016/06 – 2018/07) Research Associate – UFRJ, Rio de Janeiro - Brazil**

- Leader of the fine recycled concrete aggregate (FRCA) team on the "Generalized quality control parameter for heterogeneous recycled concrete aggregates" project that was developed in partnership with the University of Salerno (Italy);
- Use particle packing model to produce the concrete mix design and investigate the overall behaviour;

### **(2014/10 – 2015/07) Civil Engineering Intern - Caixa Econômica Federal (CAIXA), Recife - Brazil**

- Analysis of public work projects, management of planning and budget worksheets;
- Inspection of construction work and concrete mix quality control;

### **(2012/08 – 2012/12) Teaching Assistant on Calculus 4 – University of Pernambuco, Recife – Brazil**

- Teach tutoring classes on a weekly basis and presenting exercises solutions on first and second order linear differential equations, power series, Bessel's function, Legendre's differential and orthogonal functions;
- Assist students on assignments and reviewing exams;

### **(2009/08 – 2012/06) Tutor – Federal University of Pernambuco, Recife – Brazil**

- Provided Basic Math, Linear Algebra and Calculus 1 tutoring for first year engineering students;
- Review teacher's course by discussing concepts, assisting on assignments and creating custom practice exercises;
- Track learning progress in order to identify opportunities to enhance students knowledge;

## **EDUCATION**

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**(09/2022 – 11/2022) Full Stack Developer Bootcamp – University of Toronto**

**(09/2018 – 09/2022) PhD in Civil Engineering – University of Ottawa**

Thesis: Guide for evaluation of reinforced concrete structures affected by alkali aggregate reaction

Advisor: Prof. Dr. Leandro Sanchez

**(03/2016 – 03/2018) Master's degree in Civil Engineering - UFRJ, Rio de Janeiro - Brazil**

Thesis: Mix design and properties of concrete containing fine recycled concrete aggregates

Advisor: Prof. Dr. Romildo Dias Toledo Filho

**(08/2011 – 12/2015) Bachelor's degree in Civil Engineering - UPE, Recife - Brazil**

I developed a final project titled "Use of sugarcane bagasse ash as a partial PC replacement material in concrete manufacturing".

**One year program - Coventry University – UK (2013-2014) :** I was awarded a scholarship for one year internship;

## **LANGUAGES**

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- Portuguese – Native;
- English – Fluent;
- French – Intermediate;
- Spanish – Basic