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Los Angeles, CA, 90034

JOHN DAVID WALTERS

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EMPLOYMENT

Math Department Chair **Crossroads School of Arts and Sciences** **Fall 2017 – Spring 2021**

- Developed and implemented a new integrated scope and sequence for the high school mathematics curriculum
- Facilitated the adoption of new tech-based workflows to improve budgeting, grading and student placements
- Oversaw student placements, served as liaison between teachers, parents and students
- Mentored and evaluated incoming teachers
- Taught a variety of courses including Probability and Statistics, Calculus and Physics

STEM Teacher **Saddle River Day School** **Fall 2013 – Spring 2017**

- Implemented new tech tools in traditional math classes, including Scratch, Lego Robotics and EdPuzzle
- Implemented problem-based learning which included bringing in outside experts to consult and assigning projects with an authentic final product
- Taught a variety of courses including Algebra, Physics and Forensics

Physics Teacher **Uncommon Charter High School** **Fall 2012 – Spring 2013**

- Taught algebra-based physics
- Created new curriculum and assessment items

Math and Science Teacher **Doane Academy** **Fall 2010 – Spring 2012**

- Lead the committee for vertical articulation of the math curriculum
- Created and coached the strength training club
- Taught a variety of courses including Calculus, Physics, Philosophy of Religion and Ethics

EDUCATION

Princeton, NJ **Princeton University** **Fall 2005 – Spring 2010**

- Certification in Mathematics Instruction, 6-12, May 2010
- B.A. in Religion with Honors, May 2009.
- Graduate Coursework: Educational Psychology, Fundamentals of Engineering Statistics, Probability and Stochastic Systems
- Undergraduate Coursework: Introductory Logic, Linear Algebra with Applications, General Computer Science, Cellular and Systems Neuroscience, Learning Theory and Epistemology

TECHNICAL EXPERIENCE

Projects

- **edRemark** (2022). A narrative comment generator for teachers to expedite the grading process. Users with an account can add, delete and edit their own inputs to the generator. Django, SQLite, JavaScript
- **Blockbuster Sim** (2021). A web app that simulates going to a video store and finding some movies rented out. Fetches movie data from a third-party API. React, React-Router-DOM, Axios, CSS, Netlify
- **Greek Calculator** (2021). A calculator app that can convert Arabic numbers to Ancient Greek number notation. HTML, CSS, JavaScript, Netlify

Languages and Technologies

- Python, JavaScript, HTML, CSS
- React, Express, Django, Git, GitHub, Command Line, Visual Studio Code