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## EDUCATION

**PRINCETON UNIVERSITY,** **NEW JERSEY, USA**  
*Computer Science BSE, and minors in Machine Learning and Statistics, and Philosophy* *09/2022-05/2026*

### Relevant Courseworks

[Advanced Programming techniques](#), [introduction to machine learning](#), [Data structure and algorithm](#), [introduction to operating systems](#), [Java programming and computation principles](#), and [Introduction to data science and practical skills in R programming](#)

### EducationUSA Scholar Program,

**Kigali, Rwanda, 08/2021–06/2022**

Selected as one of the 30 top students in the nation for a highly competitive gap year program to study English, perform meaningful community service, and develop public speaking skills.

### Udemy

**Virtual, 07/2022–Present**

Completed comprehensive training in web development, mastering ReactJs, Redux, TypeScript, and full-stack technologies including HTML, CSS, JavaScript, Node.js, Express, MongoDB, SQL, plus Python and Django frameworks, focusing on Docker, Test Driven Development, REST API design, and coding standards.

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## EXPERIENCE / VOLUNTEERING

### New Jersey Quality Institute

**Princeton, New Jersey**

*Data analyst*

*06/2023-08/2023*

- Successfully organized, collated, and analyzed information to drive awareness and support for the advancement of midwifery in New Jersey, enhancing public knowledge and legislative support.
- Oversaw website operations and strategized potential improvements for the New Jersey Quality Institute, leading to enhanced user engagement and information dissemination.

### African American Department, Princeton University

**Princeton, New Jersey**

*IT Manager*

*09/2023 - present*

- Manage and maintain the department's website, leveraging CMS tools for content updates and user experience improvements

### Vonsung ltd

**Kigali, Rwanda**

*Front-end Designer*

*09/2021-12/2021*

- Collaborated with a team to design [Agasobanuye Films](#), a website dedicated to movies translated into local languages. Employed HTML, CSS, and JavaScript for front-end development
- Educated high school students on computer science fundamentals, with an emphasis on HTML and CSS
- Played an integral role in enhancing the user interface for the Vonsung.com

### [Our Kids Read](#)

**Princeton, New Jersey**

*IT Manager*

*10/2023-present*

- Working with **Dr. Sophie Clachar** at Microsoft to create a personalized virtual reading system for kids, enhancing their learning experience.
- Overseeing the website to reflect the organization's mission and programs.
- Communicating the founding principles and literacy goals for communities of color.
- Using the website for engagement and outreach to support the national literacy improvement program.

### World Vision

**Kigali, Rwanda**

*Enumerator*

*12/2021-02/2022*

- Interviewed and collected data in the Kigeme Refugee Camp both in person and online.
- Participated in focus group discussions
- Contributed to designing the questionnaire

### Princetonian Daily

**Princeton, New Jersey**

*Graphic Designer*

*11/2022-present*

- *Design and publish diverse graphics illustrating student life, events, and news on campus*

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## Sample projects

- **Language-translationApp:** <https://github.com/edouard2000/Language-translationApp/>
- **WorldWise:** <https://github.com/edouard2000/worldWise>
- **Proshop:** <https://github.com/edouard2000/Proshop>

**Seam Carving:** implemented a content-aware image resizing algorithm, **WordNet:** algorithm to measure the relatedness of two nouns using WordNet digraph, **K-d trees:** implemented k-d tree with nearest neighbor search algorithm, **Autocomplete:** algorithm to find all terms beginning with a given prefix, sorted by weight.

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## Skills

- **Technical Skills:** Java (Intermediate), Node (Intermediate), JavaScript & Typescript (Intermediate), Ruby(intermediate), HTML, Tailwind Css, CSS (Proficient), R (Proficient), SPSS (Advanced), Python (Intermediate),Tableau (beginner), Power BI (Beginner)
- **Databases:** MongoDB ( Mongoose) & Mysql
- **Frameworks:** Bootstrap (Advanced), React.js (Advanced) and Express, jQuery (intermediate)
- **Graphic Design:** InDesign (Advanced), Illustrator, Figma (Intermediate), and Photoshop (Beginner)
- **Office Applications:** Word (Intermediate), Excel (Intermediate), PowerPoint (Intermediate)

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## Languages

Kinyarwanda (Native), English (Proficient), Swahili (Proficient), French (Beginner)