# Julie Amanda Busch

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### **Summary**

All my life I have been working and thinking ahead of people 5-10 years my senior. I am now 23 and have already experienced several cultural shocks, held responsibility for both a business and for children, been singled out for a talent program, and improved myself at every step.

As a person, I am both compassionate and kindhearted, which are traits I would not exchange for anything. I also have a strong drive and a mind for hard work as I cherish working and improving my skills and knowledge. Through my studies and experiences living in the US and New Zealand, I have gathered an interest in project management, data analysis, cultural differences, and organizational change.

#### **Current Status**

I am enrolled at the 'Technical University of Denmark' (DTU), where I started my master studies in 'Industrial Engineering and Management' in September. My studies will focus on managerial decisions, supply chain analytics, data processing, programming, production optimization, and management.

In May, I finished my bachelor's in engineering, where I studied 'Strategic Analysis and Systems Design' (now known as 'Data Science and Management'), centering my thesis on building a decision support framework for the assessment of a newly developed ammonia-based fuel cell system for maritime propulsion. My studies have provided me with an understanding of SQL, both imperative and object-oriented experience within Excel, Java, and Python, and thorough information about organizations and economics.

### **Previous Educational Institutions**

#### 2019-2022 Bachelor of Science in Engineering

Studied at DTU, finishing my bachelor's in May 2022. I wrote my bachelor thesis for DTU's technology, management, and economics department on "A Decision Support Framework for the Assessment of a Newly Developed Ammonia-Based Fuel Cell System for Maritime Propulsion" finishing with a grade of 12 (A). My project is now used by the Nordic council of ministers, the AEGIR project group, and as a research foundation for other students.

# 2015-2018 STX at 'Roskilde Katedralskole'

Studied at 'Roskilde Katedralskole' in a 'Global Touch' class. Thus, both earning a finishing and global touch certificate. Giving me great proficiency in English both grammatically and orally.

### 2016-2018 Academy for Talented Youngsters<sup>1</sup>

Enrolled in a two-year selective program (ATU). Developing selected talents like innovation, project management, positive psychology, and public speaking.

### 2014-2015 American High School, Exchange Year

Enrolled at 'Mount Pleasant High School' in Michigan. Acquiring a GPA<sup>2</sup> of 3.97, consequently earning an enrolment in the honors recognition program. I improved my written English through 'Creative Writing' and 'Novel Class'. Further enrollment at 'Mount Pleasant GI-Tec' taking the subjects' Business Management' and 'Accounting'.

### 2013 Oxford English Program

Spent the summer on a 3-week English language course in Oxford.

<sup>&</sup>lt;sup>2</sup> Grade point average



Akademiet for talentfulde unge

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### **Professional Experience**

I have held several different jobs, which all gave me different competencies and skill sets, which I greatly cherish.

#### 2022-... Technical University of Denmark (DTU) - Teaching Assistant

As a teaching assistant, I work for DTU's Technology, Management and Economics department. I support the course responsible, Michael Bruhn Barfod, in teaching the course "Decision Analysis and Strategic Assessment". I help clarify students' issues and help them understand and perform MCDAs, CBAs, risk analyses, and screening analyses. I qualified for the position through my bachelor thesis and course report.

### 2021- ... The Danish Health Data Authority - Student Assistant

I work in the dissemination department, specifically with data visualization and strategy. My responsibilities are primarily releasing data onto the public platform eSundhed and managing other website operational features. I handle user inquiries, journaling, improvement projects, and different ad hoc assignments.

### 2012-2021 Sternberg VVS and Gasteknik - Student Assistant

We were 38 employees; I handled the customer service agreements, archived customer files, and translated documents. Some projects I undertook were changing the database system, adding and updating all service agreements to the new database, leading the implementation of the General Data Protection Regulation, and working with a consultant from the European Commission to create and improve the company's strategy and vision.

### 2017-2020 Roskilde Harbor-Kiosk - Assisting Manager

I oversaw 2-6 employees, ensuring their well-being and the kiosk's functionality. This included; leading others, structuralizing, taking responsibility, and working under pressure.

#### 2018-2019 New Zealand - Au Pair

Worked as an Au-Pair taking care of and loving four children. Attained patience, responsibility, affection, and knowledge of child psychology.

# 2017 - 2017 MentorDanmark - Mentor

I helped educate children aged 8-15 with their learning disabilities or insecurities. I planned their learning curves, studied their progress and self-perception, analyzed their personalities and learning types, and organized learning tools and games.

#### Charity

Through my school and work, I have helped organize events.

# Organized a Swim Meet

As a swim instructor in 2014, I volunteered to organize a charity swim meet for the community. The objective was to encourage kids to learn how to swim and to maybe swim competitively.

# Guided and Planned School Start

In 2016 I helped plan the first two months of the new student's school experience at 'Roskilde Katedralskole'. I also helped guide them through these months and was available to help them after.

### KidLife Program

While in Michigan, I spend most Sundays from 8 to 9 am taking care of a class of students (6-7 years old) with 1 or 2 others at the local church's KidLife program. We taught the kids about different cultures and open-minded morals.



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# ISO 21500 - Project Management

Through my Project Management course in the summer of 2020, I passed 'The international standard, ISO 21500' written test and thus received my project management certification from 'Fonden Dansk Standard'.

#### References

René Kirkeskov Olesen, leader of transformation Lisa Larsen, head accountant at 'Sternberg VVS og Gasteknik' Jan Sørensen, owner of Roskilde havnegrill' and sales director at 'Frisko'



