

# SHARLENE VON DREHNEN

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GITHUB: <https://github.com/vondreii>

## EDUCATION

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- FEB 2019 - DEC 2019     **HONOURS IN COMPUTER SCIENCE** - *University of Newcastle, Australia*
- First class Honours.
  - Faculty Medal for the Faculty of Engineering and Built Environment.
- FEB 2015 - DEC 2018     **BACHELOR OF INFORMATION TECHNOLOGY** - *University of Newcastle, Australia*
- Commencement Speaker for the 2019 Graduation Ceremony.
  - Faculty of Engineering and Built Environment Summer Scholarship.
  - Faculty of Engineering and Built Environment Commendation Lists.

## WORK EXPERIENCE

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- APR 2019 - PRESENT     **JUNIOR QUALITY ASSURANCE ENGINEER** - *Bohemia Interactive Simulations*
- Create automated tests in C# to assess the performance of military training software: <https://bisimulations.com/products/virtual-battlespace>.
  - Develop and commit new tests on development branches and make changes based on code reviews before it is merged into the Test Host codebase that stores all automated tests.
  - Assist with pre-merge testing and validation testing.
  - The first five months were part of an internship, doing the same responsibilities.
- JUL 2016 - JUN 2020     **COMPUTER LAB ASSISTANT** - *University of Newcastle, Australia*
- Assisted lecturers in computer labs by helping IT and Computer Science students with programming questions.
  - Created an automated script in Java to help markers. The script automatically sorted all student files into their own folders, renamed them, unzipped their assignment submission file, and found who submitted late.
- FEB 2017 - JAN 2018     **STUDENT AMBASSADOR & MENTOR** - *UoN Services and HunterWiSE (Hunter Women in STEM Network)*
- Engaged with prospective students, parents and career advisers during events.
  - Took part in an outreach program to inspire high school students to pursue a career in STEM. This was by mentoring students at Muswellbrook High School with a project which aimed to improve water quality at a local creek.

## SIDE PROJECTS

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- JAN 2021 - PRESENT     **DOCOSUMMARIES WEBSITE** - *Angular, HTML, CSS, TypeScript, Netlify*
- Currently self-learning Angular to create a website that acts as a knowledge base for documentaries, where people can learn about new documentaries, watch documentaries for free or read written summaries about them:  
<https://docosummaries.com/>

- Currently being built using the Angular framework connected to a Firebase Database to store and retrieve information dynamically.
- Some functionalities are still in progress. Currently using Notion to manage personal deadlines for the project on top of a regular 9-5 job.

MAR 2020 - PRESENT

#### **VONDREII PERSONAL WEBSITE - *Angular, HTML, CSS, TypeScript, Netlify***

- Currently maintaining and improving a personal website, hosted using Netlify: <http://vondreii.com>. It includes a portfolio and blog posts to help others based on any tech I have learnt recently.
- Currently using Trello to manage personal deadlines for the project on top of a regular 9-5 job.

FEB 2019 - MAY 2019

#### **COGNITIVE LOAD TO ADJUST DIFFICULTY IN GAMES - *Unity C#***

- Modified a car racing game to change the difficulty of the game based on the player's cognitive load (the way the player processes information on the screen in their short-term memory).

AUG 2018 - NOV 2018

#### **3D GAME WITH FITBIT INTERGRATION - *Unity C#, SQL***

- Worked in a team to create an infinite runner game aimed at children to promote healthy eating as part of the final year software project. The app reads the user's number of steps from their Fitbit account and adds it into the game to be used as in-game currency, as a reward for exercising.

## **VOLUNTEERING**

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DEC 2020 - PRESENT

#### **VIDEO EDITOR - *Blast Furnace***

- Edit videos for Blast Furnace, a monthly tech meetup event in Newcastle where developers meet up to network and learn about new frameworks, hardware or software.

APR 2016 - SEP 2017

#### **EVENTS VOLUNTEER AND SIGHTED GUIDE ASSISTANT - *Student Central***

- Set up events such as comedy shows, bake sales, music gigs, stress less week or open days.
- Assisted a blind student with walking around campus on a weekly basis.

## **RELEVANT SKILLS**

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- Object Oriented Programming | Unity C# | C# | Java
- HTML | CSS
- Tortoise Git | Version Control concepts | Jira | GitLab | GitHub

## **REFERENCES**

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DR. MIRA PARK - *Lecturer, University of Tasmania*

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DR. JOE RYAN - *Lecturer, University of Newcastle*

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