

Bonny Wong

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Hello there!

I'm a computer science and engineering student at the Royal Institute of Technology (KTH) and currently on my final year of a master's degree. I'm passionate about technology, especially artificial intelligence, machine learning and data visualization. I'm particularly interested in projects attempting to bridge the gap between multiple disciplines using new and untested methods.

Experiences

- **Facepunch Studios** **Internet**
Online Community Manager *Nov 2010– Dec 2016*
In this volunteer work, I managed content and users together with approximately 20 other moderators for the official discussions forums of the games development studio Facepunch Studios. The work consisted of monitoring discussions, removing content and users that broke the rules, and keeping order in the forums.
- **Jung von Matt** **Stockholm**
Extra work / Assistant *Dec 2011–Jan 2012*
I was responsible researching and gathering information for one of their ongoing advertisement campaigns. The work involved visiting archives, libraries and doing general research work online
- **KTH Funka | Kungliga Tekniska Högsolan** **Stockholm**
Mentor *Sep 2013 – Jun 2015*
As a Funka mentor I assisted a student with ADHD and Asperger's syndrome in their studies. My work included meeting with them at set intervals to organize and plan their work. I assisted with communication when it was required and helped making their studies as smooth as possible.
- **PIKI Solutions** **Stockholm**
Web developer *Mar 2016 – Dec 2017*
PIKI Solutions is a start-up that I assisted for a period of time. I mainly helped with the web development which involved creating a website for PIKI Solutions and building their platform. The primarily technologies I used were HTML, CSS, Wordpress and some JavaScript
- **Dessaga and MAD** **Stockholm**
Web developer / IT support *July 2016 – Aug 2018*
Dessaga and MAD are two start-ups founded by the same individual who I assisted when it came to web development and technical issues. I helped setting up the websites using various tools, and did all the work and support that were required for the IT side of the start-ups to work.

- **Software Engineering course at KTH** **Stockholm**
Mentor / Project assistant *Dec 2018 –*
 I and a colleague are currently leading a group of computer science students. The task of this group is to develop a simulation program who my colleague and I have specified. The main work currently have been to organize this group, provide them with information and steering them toward our goals

Education

Academic Qualifications.....

- **KTH - Kungliga Tekniska Högskolan** **Stockholm**
Civilingenjörs programmet, at Valhallavägen campus. *2011–*
- **Viktor Rydbergs Gymnasium Djursholm** **Stockholm**
Naturvetenskapliga programmet, I studied natural sciences at the VRG in Djursholm *2009–2011*
- **Maria Elementarskola** **Stockholm**
Elementary school, located at Mariatorget. *2005-2009*

Some Projects.....

- **Bachelor's degree Project (2015)** 'A study of algorithms for 2-dimensional self-assembly in swarm robotics'
 I and my co-author attempted to improve an existing algorithm of self-assembly within swarm robotics. We developed a new method and showed how it worked through visualizations.
- **ApproxSim / Stratmas (Ongoing)**
 I have for a period of time been attached to a project working on bringing an old simulation program called ApproxSim / Stratmas up and running again. It stems from several cooperations between universities and defense institutions. Its main purpose is to simulate disaster events related to war. I helped making the software runnable again and designed a few simulation scenarios.
- **DD2430 Infilling medical images (Ongoing)**
 I'm currently taking a project course at KTH, DD2430 "Project Course in Data Science". In this project I've been working with my group to generate images of tumors. This is done by training a generative adversarial neural network on images of tumors and letting said network generate new images. The project has required cutting edge machine learning methods which we have been researching for a period of time. It is scheduled to end in early February.

Technical and Personal skills

- **Programming Languages:** Proficient in: Python, Java, HTML, CSS, LaTeX
 Also basic ability with: C, C++, C#, Matlab, SQL, PHP.
- **Language Skills:** I'm fluent in Swedish, English. I can speak and understand Mandarin Chinese, and I can understand some Cantonese Chinese. I have a basic understanding of German.
- **Other:** I'm a decent cook and I'm good with plants.