

Nozomu Yoshida 吉田 望

Researcher / Engineer / Creator

Nozomu Yoshida is a graduate student at Digital Nature Group, University of Tsukuba (Graduate School of Comprehensive Human Sciences, Master's Program in Informatics). In the context of Human-Computer Interaction, He researches guitar interface that expands the expressiveness and physicality of the performer. He is also interested in Brain-Computer Interface. He has working experience of software & hardware development, video production, and Translator (JP - EN).



Birth date: January 16, 1998
Nationality: Japan
Languages: Japanese – native, English – fluent, Chinese – conversational
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Education:

Apr 2020 – Mar 2022 (Expected)

University of Tsukuba (JP), Graduate School of Comprehensive Human Sciences
Master's Program in Informatics

Digital Nature Group, Advised by Associate Professor Yoichi Ochiai

Apr 2017 – Mar 2020

Iwate University (JP), Department of Systems Innovation Engineering, Computer Intelligence
and Media Technology Course

Bachelor of Engineering

Crossover Design Studio, Advised by Associate Professor Katsutsugu Matsuyama

Apr 2016 – Mar 2017

Iwate University (JP), Department of Physical Science and Materials Engineering, Materials Science and Engineering Course

Aug 2017 – Sep 2017

University of British Columbia (CA), English Language Institute
English Global Citizen Program (EGC Program)

Finished Course (Excerpted. All listed subjects below have “Excellent” grades. GPA: 3.2/4.0)

Calculus, Vector Analysis, Linear Algebra, Fourier Analysis, Artificial intelligence, Robotics, Digital Circuit Design, Introduction of Programming languages, Formal Languages and Automata, Hardware Experiments, General English, English communication, Chemistry, Graduation Research

Research Interest:

Human-Computer Interaction, Augmented Instrument, Brain Decoding, Brain-Computer Interface, Media Art, Real World Oriented Interface, Computer Graphics, Mixed Reality

Qualification:

- TOEIC 845 points (2017)
- EIKEN Grade 1 (2017)

Technical Skill:

- Linux, Mac OS, Windows, Word, Excel, PowerPoint
- Python, C, C#, Ruby (Rails), PHP, JavaScript, SQL, HTML, CSS, GCP, Sass, Git, LaTeX
- TouchDesigner, Cinema4D, Pixelmator, Final Cut Pro, Logic Pro X, Unity

Award:

- Kusakari Award (4 persons out of 119 people), Iwate University 2020
- Grand Prix (Best company out of 13 companies), Iwate university 2020
- Special Award (1 company out of 10 companies), Iwate university 2019
- Grand Prix, Ofunato Business Model Competition 2017
- Grand Prix (Best company out of 12 companies), Iwate university 2018

Work:

iFive.inc, Iwate, Japan

Oct 2017 – Mar 2020

Official IT Company administrated by Iwate University

- Intern (Oct 2017 – March 2018)

- Planned and introduced C to C business model which won grand prix in business model competition in Ofunato, Iwate, Japan.
- Made Web service which enables students to reuse academic goods such as textbook, reference book, and so on.
- Engineer & Designer (Apr 2018 – Mar 2020)
 - Add some functions and improved UI of “Ganchannel”, official mobile App in Iwate University as an engineer.
 - Contributed to prevail our product “Ganchannel” by making promotion video, poster, flyer with modern design (Over 1500 users at Mar 2020).

SIGGRAPH Asia 2018, Tokyo, Japan

Dec 3 – 7, 2018

Top CG conference in Asia by ACM SIGGRAPH

- Student Volunteer (SV)
 - Full attended to one of the top CG conferences SIGGRAPH Asia 2018 as a Student Volunteer and explained exhibition, streamlined a flow of visitors with Japanese and English. Also, being stimulated and inspired by emerging tech, state-of-the-art research, digital works (Acceptance Rate \cong 30%, out of over 200 people).

Conference Papers (Peer-reviewed)

1. Nozomu Yoshida, Katsutsugu Matsuyama. 2020.
ElectroMagnetic Guitar: Chord Playing Support System on Guitar by Electromagnets.
In Proceeding of The International Workshop on Advanced Image Technology 2020 (IWAIT2020). Yogyakarta, Indonesia, Paper No. 32. Best Paper Candidates (16 papers out of 84 accepted papers).
2. Nozomu Yoshida, Katsutsugu Matsuyama. 2020.
A Picking Interface Seamlessly Connecting Passive and Active Performance on Guitar.
In Proceeding of The International Workshop on Advanced Image Technology 2020 (IWAIT2020). Yogyakarta, Indonesia, Paper No. 52.

References

Prof. Yoich Ochiai: wizard'@'slis.tsukuba.ac.jp / University of Tsukuba
 Prof. Katsutsugu Matsuyama: m18u'@'iwate-u.ac.jp / Iwate University