

CURRICULUM VITAE

Derrek Chow

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INTERESTS

Human-Computer Interaction, tangible interfaces, novel interfaces and input devices, new media art, audiovisual experiences

PUBLICATIONS

- [1] Ching-Yi Tsai, I-Lun Tsai, Chao-Jung Lai, Derrek Chow, Lauren Wei, Lung-Pan Cheng, Mike Y. Chen. AirRacket: Perceptual Design of Ungrounded, Directional Force Feedback to Improve Virtual Racket Sports Experiences. *CHI 2022*. 15 p.

RESEARCH

Undergraduate Research Assistant

University of Waterloo, Expressive Input & Interaction Group, Sep 2020 – Aug 2021

Advised by Daniel Vogel & Quentin Roy

Undergraduate Visiting Researcher

National Taiwan University, NTU HCI Lab, Jan – Mar 2021

Advised by Mike Y. Chen & Lung Pan Cheng

PROFESSIONAL

Interactive Design Intern, RNDR, Netherlands, Sep – Dec 2021

Software Engineering Intern, StackAdapt, Canada, Sep – Dec 2019

Software Developer Intern, Desire2Learn, Canada, Jan – Apr 2019

Software Developer Intern, Tulip Retail, Canada, May – Aug 2018

EDUCATION

B.SE Software Engineering, University of Waterloo, 2017 – 2022

selected courses:

Advanced Topics in HCI: Experimental Design (**graduate level**)

CanHap501: Introduction to Haptic Information Design (**graduate level**)

Advanced Topics in HCI: Publishing HCI Research (**graduate level**)

Computational Digital Art Studio

PERFORMANCES

VJDJ Night, RNDR, Netherlands, Dec 17, 2021

Algo Kickback, SF AV Club, United States, Jul 23, 2021

SKILLS

Audio/Visual	TouchDesigner, Processing, Orca, openFrameworks, OPENRNDR, GLSL, Unity
Programming	Python, Javascript, Java, C++, C#, Ruby, Clojure, PHP
Web	React, Rails, Node, Backbone.js, Flask, jQuery, SQL, Cypher, HTML/CSS
Design	graphic + interaction design, Figma, Origami Studio
Research	rapid prototyping, physical + electronic fabrication, interviewing, ideation, concept development

TALKS

Expressive Input & Interaction Group, University of Waterloo, Canada, Oct 28, 2021

The Human Computer Interaction Lab, Hasso Plattner Institute, Germany, Sep 15, 2021

TEACHING

Teaching Assistant (unofficial), Royal Academy of Art (KABK), Netherlands, Oct – Dec 2021
coding course for the *Non Linear Narrative* master's programme