

CURRICULUM VITAE

Derrek Chow

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RESEARCH INTERESTS

Human-Computer Interaction, tangible and spatial interfaces, creative computing, novel interfaces and input devices, permacomputing

EXPERIENCE

RNDR, Netherlands

Interaction Design Intern, Sep – Dec 2021

Expressive Input & Interaction Group, University of Waterloo

Research Assistant (Full-time), May – Aug 2021

Research Assistant (Part-time), Sep 2020 – Apr 2021

NTU HCI Lab, National Taiwan University

Undergraduate Visiting Researcher, Jan – March 2021

StackAdapt, Toronto, Canada

Software Engineering Intern, Sep – Dec 2019

D2L Labs, Desire2Learn, Toronto, Canada

Software Developer Intern, Jan – Apr 2019

Tulip Retail, Waterloo, Canada

Software Developer Intern, May – Aug 2019

EDUCATION

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

Selected courses Advanced Topics in HCI: Experimental Design [**Graduate Level**]
Human-Computer Interaction

SKILLS

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

GROUP EXHIBITIONS

Algo Kickback Performance, San Francisco, United States
SF AV Club, Jul 23, 2021

TALKS

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

PROJECTS

Computational Art	Visual and audio explorations in art and computers
Point2Speech	Novel input device that speaks out loud text on a page when pointed to
Automatic Cannon	Self-aiming cannon that fires at moving targets
Hack the Fridge	Smart fridge that suggests recipes and tracks expired food
Pinch Perfect	Digital theremin (musical instrument) controlled by hand gestures
Hungr.ai	AI powered game of Hungry Hungry hippos
UW Flow	Course review platform with 10 mil. total page views and 30k+ monthly users
From the Intercom	A music and film blog and magazine for Asian-American artists

REFERENCES

Daniel Vogel, Associate Professor
University of Waterloo, Cheriton School of Computer Science

Quentin Roy, Postdoctoral Fellow
University of Waterloo, Cheriton School of Computer Science

Jeroen Barendse, Partner, Co-founder of LUST
RNDR, Netherlands

Mike Chen, Professor
National Taiwan University, Department of Computer Science