

CURRICULUM VITAE

Derrek Chow

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INTERESTS

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

RESEARCH

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

Undergraduate Visiting Researcher, NTU HCI Lab
National Taiwan University, Jan – Mar 2021

PROFESSIONAL

Interaction Design Intern, RNDR
The Hague, Netherlands, Sep – Dec 2021

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

Software Developer Intern, D2L Labs, Desire2Learn
Toronto, Canada, Jan – Apr 2019

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

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, openFrameworks, OPENRND, GLSL, Unity
Research	rapid prototyping, physical + electronic fabrication, interviewing, ideation, concept development

PERFORMANCES

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

TALKS

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

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

TEACHING

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

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	music and film blog and magazine for Asian-American artists

REFERENCES

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

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

Boyd Rotgans, RNDR
Co-founder and Partner

Jeroen Barendse, RNDR
Co-founder and Partner, Founder of LUST

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