

# Tim Harding

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## Education

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**BS in Computer Science** 2020–2023  
WESTERN WASHINGTON UNIVERSITY 3.9 GPA

- Lead author of a research paper about Elvis, an internet simulator written in Rust
- Designed a system architecture that enables multithreaded communication between tens of thousands of networked virtual devices
- Wrote a custom networking protocol stack with IP, TCP, and UDP, allowing for user extensibility and zero-copy packet delivery and manipulation
- Helped onboard thirteen graduate and undergraduate collaborators

**AAS in Commercial Photography** 2013–2015  
SEATTLE CENTRAL COLLEGE 3.6 GPA

- Voted #1 portfolio of graduating class by a panel of judges

## Work

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**Teaching Assistant** 2024  
WESTERN WASHINGTON UNIVERSITY Bellingham, WA

- Ran labs, graded assignments, captioned videos, proctored exams, and addressed student feedback on assignments

**Systems Builder** 2022–2023  
CANDELA TECHNOLOGIES Ferndale, WA

- Assembled and tested orders for customized computer network testing devices

**Technical Artist** 2016–2020  
TEN GUN DESIGN Edmonds, WA

- Optimized HoloLens graphics for the Holoisland demo to run at 60FPS, up from as low as 10FPS
- Shipped a point-and-click adventure game for training Microsoft retail employees
- Delivered a Unity-based choose-your-own-adventure film toolkit to Microsoft for training videos
- Lead development of a yearlong Unity VR automotive demo with a networked AR companion app
- Wrote over 35 plugins and apps for artists to automate common tasks and simplify workflows
- Produced hundreds of images and videos for Microsoft, Amazon, Paccar, Micron, Funko, and PowerA

**3D Scanning Specialist**

PRIZMIQ

2015–2016

Seattle, WA

- Built and operated a photogrammetry content pipeline for web-based 3D e-commerce visuals, delivering 100 assets to Shoes.com, Dye Precision, and the Burke Museum

**Sales associate**

CYCLE UNIVERSITY

2013

Seattle, WA

- Paired customers with their perfect bike and set up test rides
- Assembled product shipments
- Ran checkout and helped shoppers navigate the sales floor