DAVID VAN STORY

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EXPERIENCE:

INTUITIVE SURGICAL   Sunnyvale, CA
Sr. Clinical Development Engineer   2021 – May 2025
- Led 10+ customer studies, engaging with 100+ surgeons. Presented clinical data to leadership, securing $20M funding.
- Co-invented and patented imaging software tool for blood perfusion checks, to be used in 25% of global robotic surgeries.
- Developed digital tool from wireframes with single SW engineer to complex functioning tool. Priming for '26 global launch.
- Completed Intuitive's in-house "Surgical Residency", a 1-yr intensive robotic surgery training in Gen, Uro, and Colorectal.

MIT   Cambridge, MA
Sr. Mechanical Engineer, Therapy Technology Lab   2020-2021
- Developed cardiac robot device for single ventricle patients and custom-built and validated *in vitro* model to test device.
- Led an IRB-approved 20-patient study, partnered with Chief of Cardiac Surgery at Boston Childrens Hospital. *Report*.
- Managed 4 engineers in design and testing of device for Sleep Apnea. Patented technology which secured $200k in funding.

HARVARD / BOSTON CHILDREN'S HOSPITAL   Boston, MA
Research Engineer   2016 - 2018
- Engineering lead on 4-person team building device for heart failure. Led 30+ animal trials. Publ. in *Science Robotics*.
- Fabricated a stent and catheter for children with malformed windpipes (effects 1M kids). Publ. in *Advanced Materials*.
- Created a computational model to design the stent and catheter. Successfully deployed the built device in 3 pig cadavers.

BOSTON SCIENTIFIC   Galway, Ireland
Quality Engineer, Intern   2015
- Interviewed 15+ manufacturing technicians to identify inefficiencies in build process. Granted 3x Leadership awards.

EDUCATION:

                                                                       Cambridge, MA
MIT / ETH ZURICH   2018-2020
MSc in Mechanical Engineering
- *Masters Thesis (MIT):* Cardiac Simulator: Designed cardiac soft robot and heart-lung model testbed. Publ. in *IEEE Biorob*.
- *Project Work (ETH):* Implemented ML software to detect XRAY images from eye-tracking video. Publ. in *Radiology*.
- Speaker at BioRob 2020 Conference presenting cardiac robotics research.

NATIONAL UNIVERISTY OF IRELAND, GALWAY   Galway, Ireland
B.Eng in Biomedical Engineering   2012 - 2016
- Proposed own thesis and partnered with company based in the US - first undergraduate to have earned permission to do so.

AI DEV WORK

- **AI Voice Agent for Patients:** Built agent to support patients in between doctor visits. Demo here.
- **AI Voice Agent for Doctors:** Built agent for clinicians to track patient's infection after they leave the hospital. Demo here.

AWARDS AND ACTIVITIES

Out Of Pocket AI x Healthcare Hackathon (2025): Led team of 3, built inbox management SW for clinicians. Demo here.

AGI-House AI x Bio Hackathon (2024): Team of 4, built AI tool to detect academic paper fraud.

1st Place [$10k Prize], Nucleate Start-Up Competition (2021):
- Developed GTM strategy to spinout medical adhesive company, Limax Bio, from Harvard research lab into startup.

Sacramento Gravel Triathlon (2024): 3rd in 25-30 age group.