TYLER DENNIS

tylrdnns@gmail.com
+1 7076880870
github.com/tylrdnns — beaglebytes.io — Austin, Texas

EDUCATION

University of Arizona, College of Science *August 2016 - May 2020*
BS in Biology and BS in Biochemistry
Department of EEB and Biology
Honors: Cum laude

EXPERIENCE

Junior Investment Technologist
Corporate Services Consulting Inc *February 2022-Present*

- Assessing the current state of risk management and account performance systems for investment managers/asset allocators
- Collaborating with financial experts to determine database and framework structure from high-throughput investment systems
- Translating current-state findings into intuitive and thorough diagnostic reports

Network and Systems Engineer
Chainlink *February 2020-December 2021*

- Performing escalated network repair using a knowledge of distributed systems protocols and Linux systems to undertake in-depth troubleshooting projects.
- Investigating network and systems related issues arising from Node Operators, Data Aggregators, and Keepers
- Communicating directly with consumers and companies to identify risk and recommend solutions

Full-Stack Developer Austin, Texas
Promoquo *August 2021-October 2021*

- Designing and implementing MERN stack structure to company platform.
- Organizing team for frontend development, while bridging core APIs such as TalkJS and Stripe.
- Participating with leadership in shaping the vision of the company's business model.

Assistant Researcher at Sarver Heart Center Tucson, Arizona
Myocardial Infarct Treatment Lab by Dr. Steven Goldman *January 2019-May 2020*

- The aim of the research group is to understand the affects of a myocardial infarct and determine methods of treatment through stem cell grafting.
- Pressure-volume (PV) loop analysis through LabChart and R programming, creating SOPs for such practices, and biochemistry lab maintenance.
- Tasked to determine the efficacy of differing myocardial stem cell treatments for congestive heart failure (CHF) through pressure-volume analysis.
- Contributor to the grant writing process to secure a combined 10,ooo dollars of funding, resulting in an academic publication in Nature Journal

Researcher with SIGN Limb Deformity Clinic Nairobi, Kenya
Orthopedic Surgery group led by Dr. Richard Gellman *June 2019-August 2019*

- The aim of the research group is to investigate cause, trends, and treatments for limb deformity for Kenya's Ministry of Health.

- Compiled and implemented a database for health officials to record cases of limb deformity correction; used existing data to pinpoint areas of future undernourishment for proper allocation of resources.
- Worked closely with Ministry of Health officials and local orthopedic physicians to coordinate a plan for future intake and treatment of limb deformity patients.
- Learned surgical techniques and had hands-on participation in limb deformity treatment.

MISCELLANEOUS

Data provider and aggregator business for oracles bringing pricing data on-chain

Freelance NFT marketplace developer: primary and secondary sales, minting, royalties, wallet-pairing, NFT-gated content, frontend dev

Advisory board member for web3 companies: Ently and Promoquo

Publication: *Free-breathing gradient recalled echo-based CMR in a swine heart failure model* (2022). Nature. Craig C. Morris, Jacob Ref, Satya Acharya, Kevin J. Johnson, Scott Squire, Tuschar Acharya, Tyler Dennis, Sherry Daugherty, Alice McArthur, Ikeotunye Royal Chinyere, Jen Watson Koevary, Joshua M. Hare, Jordan J. Lancaster, Steven Goldman and Ryan Avery.

SKILLS

Programming skills:
Proficient in Backend configuration, Python, JavaScript, Node, Solidity, R, PHP, Docker; and experience working in Rust and GO
Research:
Grant Writing, Experimental design, Scholarly writing, Research Lab Certifications: Blood-borne Pathogens, IACUC, HIPAA, Aseptic Surgery, Chemical Safety and Biosafety, AED, First Aid
Biking**Extracurricular:**
Entrepreneur; Volunteer; Biking; Running