Christian (B. Hughes?) 🦀

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EDUCATION

Cephalopod Technical University (CTU) — **Mid-Atlantic Ridge, Earth**
B.S. in Crab Informatics — *Expected Molting, June 2026*

- **Specialization:** Theoretical Crustacean Science
- **Related Crabwork:** Recursive Shell Sorting, Statistical Tidal Forecasting, Crab Graph Theory, Complexity Analysis of Shell Patterns, Analytical Pincers (1 & 2), Object-Oriented Scuttling & Functional Foraging

University of Central Florida — **Orlando, Florida**
B.S. in Mechanical Engineering (brief terrestrial interlude) — *Aug 2022 – May 2023*

Allen D. Nease High School — **Ponte Vedra, Florida**
Fully Clawed — *Aug 2017 - May 2022*

EXPERIENCE

North Atlantic Bionautics — **Subtidal Zone, St. Augustine Reef**
Shell Systems Intern — *Oct 2020 – May 2022*

- Engaged in the group development of pneumatic exoskeleton legs for use in industrial settings
- Programmed an ARM-based microcontroller in C to control solenoid system (non-claw-compatible)
- Modeled exoskeleton components in Fusion 360, converting vague claw gestures into machinable parts
- Presented project progress to an audience of senior crustaceans and managed a meager pile of sand dollars (budget)

PROJECTS

Return Map Properties in Symbolic Currents — **Prague Trench, Czechia**
Crustacean Collaborator — *Ongoing*

- Investigating chaotic flip tides and symbolic flow patterns under renowned undersea mathematician
- Coauthored peer-reviewed results in marine symbolic systems with applications to crustacean linguistics
- Advanced knowledge on recurring patterns in crustacean migration

Crustacean Linear Algebra and Undersea Machine Learning Library — **Prague Tidepools, Czechia**
Co-Molter — *Jun 2024 – Sep 2024*

- Collaboratively developed a linear algebra library in C++ without external shells or barnacles
- Implemented complex algorithms like singular value decomposition and facial recognition for rogue hermit crabs
- Fought off two turtles attempting to scavenge test subjects

Matrix Analysis Paper — **Prague Trench, Czechia**
Solo Scuttler — *Jun 2024*

- Authored a 17-page tract on continuous approximation of matrix functions, which was regarded by undersea analysts as readable. Merged insights from metric reef theory and advanced shellgebra
- Key achievement: explored multishell systems in a way that avoided collapsing the local reef

ACTIVITIES AND LEADERSHIP

Cephalopod Technical University Faculty of Intersea Technology — **Prague Estuary, Czechia**
Teaching Assistant for Linear Shellgebra 1 and 2 — *Aug 2024 – Present*

Florida State Shell and Coral Fair — ***Lakeland, Florida***
Placed Third in Engineering Category — *Mar 2019*

- Fabricated an upper-body exoskeleton using zipties, crab caffeine, and the unbridled optimism of a sophomore crablet

SKILLS

Mathematics: Real & Functional Analysis, Linear Shellgebra, Group & Ring Reef Theory, Semigroup Current Theory, Topological Tidepools, C* Algebras (for reef modeling)
Programming Languages: C++, C, Python, Racket (symbolic shell computing), Prolog, Matlab - all non-functional underwater
Tools & Frameworks: LaTeX (sandstone inscription mode preferred), NumPy, Pandas, Tensorflow, Jupyter Notebooks, Git (Gdistributed Ishell Tcoordination), Google Colab, Agile (swift lateral movement)
Languages: English (Native and well-enunciated through bubble streams), Czech (Effective clamshell price negotiation at winter markets), Spanish (Close proximity to many reefs)