

Graduate of University College London (UCL) with a Master's in Software Systems Engineering. Background in synthetic biology and financial technologies, with experience working at a Forbes Fintech 50 startup. Proficient in backend and data engineering, MLOps, and Linux systems, with publications and talks at multiple conferences.

EXPERIENCE	<b>Software Engineer (Intern)</b> <b>Cisco</b>	London Jun 2025 – Sep 2025
	<ul style="list-style-type: none"><li>• Built an open-source, cross-platform video player and inspection tool, allowing video engineers to compare output quality and detect visual artifacts from different compression algorithms.</li><li>• Used Qt and C++ to build a lightweight application compatible with multiple operating systems and graphics APIs.</li><li>• Leveraged FFmpeg to support playback of various raw and encoded video formats.</li></ul>	
	<b>Software Engineer (Backend)</b> <b>Creative Juice</b>	Remote May 2021 – Apr 2023
	<ul style="list-style-type: none"><li>• Developed and deployed a backend banking-as-a-service platform (Spring Boot, Unit Finance, Plaid) that supported over 200 funded bank accounts and \$2MM+ in deposits.</li><li>• Automated loan repayment collection from Google AdSense payments via Pub/Sub messaging and Java microservices, freeing up 10+ hours per week previously spent on manual collection.</li></ul>	
	<b>Undergraduate Research Assistant</b> <b>Genetic Logic Lab</b>	University of Utah Sep 2019 – May 2022
	<ul style="list-style-type: none"><li>• Integrated a genetic sequence search tool into SynBioHub, an open-source repository for synthetic biology designs, allowing users to perform sequence-based searches via file upload.</li><li>• Maintained and enhanced SBOLEplorer, a distributed genetic part search tool which uses Elasticsearch and OpenLink Virtuoso to build an inverted index for faster queries.</li></ul>	
EDUCATION	<b>University College London</b> <b>M.S. Software Systems Engineering</b>	Sep 2024 – Sep 2025
	<ul style="list-style-type: none"><li>• Courses: Validation &amp; Verification, Requirements Engineering &amp; Software Architecture, Engineering Ethics, MLOps, Financial Markets Modelling &amp; Analysis</li></ul>	
	<b>University of Utah</b> <b>B.S. Computer Science, Minor in Mathematics</b>	Aug 2019 – May 2022
	<ul style="list-style-type: none"><li>• 3.85 GPA; Dissertation: SynBioHub 3 - An Improved Synthetic Biology Repository</li></ul>	
	<b>SKILLS</b>	
	<b>Programming</b> C/C++, Bash, Python, Java, SQL <b>Tools</b> Git, Linux, Spring/Spring Boot, Docker, Kubernetes, Ansible, Terraform, Dagster, $\text{\LaTeX}$ <b>Languages</b> English, Mandarin Chinese, Cantonese	
PUBLICATIONS	<ol style="list-style-type: none"><li>1. Yu, E., Mante, J., and Myers, C. J. (2022) Sequence-Based Searching for SynBioHub Using VSEARCH. <i>ACS Synthetic Biology</i> 11, 990–995.</li><li>2. Mante, J., Hao, Y., Jett, J., Joshi, U., Keating, K., Lu, X., Nakum, G., Rodriguez, N. E., Tang, J., Terry, L., Wu, X., Yu, E. et al. (2021) Synthetic Biology Knowledge System. <i>ACS Synthetic Biology</i> 10, 2276–2285.</li></ol>	
TALKS	<ol style="list-style-type: none"><li>1. SynBioHub2 - Providing an Intuitive and Maintainable Genetic Design Repository, <i>The Thirteenth International Workshop on Bio-Design Automation</i>, Virtual, Sep. 2021.</li><li>2. SynBioHub3: A Redesigned Parts Repository, <i>Hackathons on Resources for Modeling in Biology 2021</i>, Virtual, Mar. 2021.</li><li>3. Sequence-based Searching For SynBioHub Using VSEARCH, <i>The Twelfth International Workshop on Bio-Design Automation</i>, Virtual, Aug. 2020.</li></ol>	