NURBOL LAMPERT

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EDUCATION

University of Virginia　　　　　　　　　　　　　　　　　　　　　　　　**August 2021 - May 2025**

School of Applied Sciences and Engineering, Charlottesville VA

- Bachelor of Science, Computer Science, GPA: 3.6/4.0
- Native fluency in Russian
- Relevant Coursework: Advanced Data Structures and Algorithms, Operating Systems, System Architecture

EXPERIENCE

Software Developer Intern　　　　　　　　　　　　　　　　　　　　　　　**May 2024 - Present**

SAS Institute, Cary NC

- Developed and maintained new features for the Content SDK, including Data Viewer and analytics components, using **TypeScript, React, and JavaScript,** directly impacting tools used by 90% of Fortune 500 companies.
- Collaborated with the Platform Products and Research Development teams, to successfully integrate Content SDK into a Visual Studio Code extension, used by a significant portion of SAS's public clients.
- Rewrapped Visual Analytics Commons components for the Content SDK toolkit, enhancing usability for developers.
- Enhanced the Visual Studio Code extension for SAS by adding the Cloud Analytics Service (CAS) framework.
- Currently working (remote) on features and bugs of Data Viewer powered by **AG-Grid**.

Undergraduate Researcher　　　　　　　　　　　　　　　　　　　　　　　**May 2023 - May 2024**

UVA School of Nursing (Cancer BESI-C Lab), Charlottesville VA

- Refined and developed cancer patient's activity classifier using TensorFlow, Cloud Vertex, and WearOS accelerometer data. The self-generated accelerometer data developed the model with over 90% accuracy.
- Utilized Bash and Linux/Unix scripting, manually pulled, cleared, and reset data from relays and Android watches. Collected environmental and personal data from over 20 cancer patients.
- Assisted with integrating Firebase Realtime Database into Raspberry Pi relays and Android WearOS watches. Relays and Android watches are used to monitor cancer patients' external environments.

Global Commerce Consultant　　　　　　　　　　　　　　　　　　　　　**January 2024 - March 2024**

UVA McIntire School of Commerce, San Jose, Costa Rica

- Analyzed the $12.84 billion U.S. cookie market, identifying opportunities for Chiky (Grupo Nutresa), a dominant brand in Central America producing 20 million kilograms of cookies annually on average since its founding in 1919.
- Developed strategies to increase Chiky's brand awareness and capture market share among Teenagers and Central American immigrants in the U.S.
- Introduced partnerships with small-scale grocery chains and implementing geo-locators to enhance product accessibility, aiming to expand Chiky's presence in the U.S. market.
- Continuing the experience in Wealth and Asset Management of Asia in Singapore in **January 2025**.

Full Stack Developer Intern　　　　　　　　　　　　　　　　　　　**June 2022 - September 2022**

BudgetWise (Personal Finance App), Los Angeles CA (Remote)

- Integrated Plaid API into Google's Firestore Database using Cloud Functions (Node.js and Plaid SDK) for secure and efficient financial tracking of 500 users' debit/credit card transactions.
- Responsible for the comprehensive development and optimization of the iOS application using Swift and Xcode, delivering user-friendly experiences. Collaborated closely with UX/UI Figma, QA, and product management teams, ensuring scalable and high-performing applications.

PERSONAL PROJECTS

Personal Finance Management Website using Plaid API

- Utilized React TypeScript to build a user interface that retrieves and displays transaction data from the Plaid API, incorporating elements of state management and side effect handling.
- Managed function memorization through Context API and React hooks like 'useState', 'useEffect', and 'useCallback'. Employs 'reacharts' to generate interactive bar and pie charts.

GitHub Pages Static Personal Website

- narwhal-0.github.io/ **-** Pioneered first website about myself, school, and projects using vanilla JavaScript and CSS

SKILLS

Python, Java, C, C++, Swift, Bash, Unix/Linux, JavaScript, TypeScript, CSS, HTML, SQL, Matlab,
Git control, XCode, Firebase, PHP, Node, React, Jira, MathWorks, IntelliJ, CLion, PyCharm, Figma.