SANDRA VAN BERKEL

DEVELOPER + BIOCHEMIST + SOLUTIONIST

CONTACT

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akaDesignTech.com

PROFILE

As a developer, I specialize in creating modular and scalable front-end architectures. As a scientist, I help people, improve lifestyles, and make the world a healthier place. As a solutionist, I solve difficult e-commerce, advertising, distribution, and customer service problems.

DesignTech | online CV | GitHub | Google Play

SKILLS

I am professional, flexible, creative, reliable, service- and detail-oriented. my academic career in science, including lab experience, along with my graphic design, computer programming, commercial and industrial construction and engineering experience offers a unique combination of creative and analytical skills with the ability to combine all vantage points.

- Excellent proficiency in verbal, written, and electronic communication
- able to work independently and as part of a team on a broad variety of projects
- able to deliver effective and accurate results and meet deadlines
- good judgment and decision-making skills
- well-organized, detail-oriented, and a self-starter
- ability to execute, multi-task, and thrive in an extremely fast paced, high growth environment

EXPERIENCE

Mobile App Developer

SELF IMPROVEMENT / REVOLT WIND

April 2020 - Present

Developing skills to seek position as a web/mobile app developer.

Key Contributions:

- Published Android apps on Google Play and APK Pure
- Packages include interactive elements, local device storage, api calls, lots of dynamic data manipulation and display, device sensor and haptic feedback utilization, in-app URL launching, and e-commerce solutions

Technology used:

- React JS, React Native, Flutter, Kotlin, Dart, Android Studio, GitHub

React JS Developer, Media Coordinator & E-commerce Solutionist

EMOTIONZ LLC

2016 – Present (as needed on weekends, 2-4 hrs.)

Complete technology package for an adult website including full-stack data-driven web app, system admin, 24-hr Tor hosting, Bitcoin shopping cart, and marketing.

Key Contributions:

- Implementation of alternative e-commerce solutions for downloadable and shippable products with expiry
- Marketing and branding package including animated logo design, banner ads, and Adobe AE video ads
- Effective communication along with *excellent* customer service

Technology used:

- React JS, Node.js, Tor, Adobe CC, Tor, Json, PHP, RESTful api, GitHub

Maryville University

2015

Bachelor of Science (Summa cum Laude)

Biochemistry (GPA 3.9)

Washington University

2000 – 2001

Completed Courses

Computer Science / Information Management (GPA 3.6)

St. Louis Community College at Meramec

Associates of Arts

Double Major in Computer Science & Mathematics (GPA 3.9)

Web/Mobile Application Developer, Media Coordinator & Researcher

BENT ENGINEERING / REVOLT WIND (as needed on weekends, 0-2 hrs.)

2016 - Present

Complete technology and media package focusing on "REVOLT Wind Turbines" including article content, website execution and maintenance, mobile application, crowdfunding efforts, grant proposals, and relevant social media accounts.

Key Contributions:

- Research and data collection on wind turbine designs regarding the production and storage of electricity
- Marketing and branding package including photography, filmmaking, Adobe AE video ads, logo design, and social media advertising
- Effective communication with marketing and media professionals

Technology used:

- HTML, CSS, Adobe CC, React JS, Flutter, Kotlin, Dart, PHP, jQuery, JavaScript, Google Play, Android Studio, Visual Studio, Office, GitHub

Researcher

MARYVILLE UNIVERSITY

2014-2017

Complete research focused on "Ecological Correlates of Fungal Abundance in Missouri and Illinois Caves" and "Genetic Identification of Fungal Samples from Select Missouri and Illinois Caves: Implications for the Distribution of Pseudogymnoascus destructans and White Nose Syndrome."

Key contributions:

- Investigate the biotic and abiotic conditions of cave ecology
- Collect, culture and prepare fungal samples for genetic characterization; methods include DNA extraction, PCR, gel electrophoresis, ITS sequencing, and bioinformatics
- Efficaciously communicate with government agencies and scientists in order to acquire permits
- Prepare and present relevant data at various national research symposiums

Analytical Chemist / QC

SENSIENT TECHNOLOGIES CORPORATION

January 2016 – April 2016

Key contributions:

- Provided sample preparation for samples sent to customers for evaluation
- Provided sample preparation to evaluate new raw materials
- Provided QC with sample analysis
- Adhered to the highest degree of professional standards and strict confidentiality on matters that require discretion
- Basic lab knowledge, aseptic techniques, and skills that include, but are not limited to, measuring characteristics such as pH, viscosity, solids, etc.
- Knowledge of various lab equipment such as a Colorimeter and Spectrophotometer

Owner

DESIGNTECH, LLC

2008-2021

Key contributions:

- Provides a full range of graphic design, website, web/mobile apps, e-commerce, system administration, and data management services to clientele

Project Engineer/Estimator

LENCO CONTRACTING, INC.

Key contributions:

- Crafted, estimated, and delivered numerous innovative commercial and industrial construction initiatives
- Exchanged ideas and negotiated contracts with both clients and subcontracted personnel
- Handled project functions, e.g. supervision, documentation, cost study, reporting, scheduling, and purchasing

Project Engineer/Estimator

LENCO CONTRACTING, INC.