

SANDRA VAN BERKEL

DEVELOPER • BIOCHEMIST • SOLUTIONIST

CONTACT

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 vanberkel.shotz.site

PROFILE

Well-qualified Full-stack Developer familiar with wide range of programming utilities and languages. Knowledge of backend and frontend development requirements. Collaborative team player with excellent technical abilities offering 15 years of related experience.

[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, leadership, 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/Smart Contract Developer

SELF IMPROVEMENT / REVOLT WIND

April 2020 - Present

Developing skills in React JS/Native and Kotlin/Dart/Flutter in Android Studio as a web/mobile app developer. Developing skills writing smart contracts.

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, Redux, Flutter, Kotlin, Dart, Android Studio, Google Play, APK Pure, Solidity, Remix

Reference: Stephen Cowap at steve@revoltwind.com

See apps at [Google Play](#) and [APK Pure](#)

Full-stack Developer, Media Coordinator & E-commerce Solutionist

EMOTIONZ LLC

2016 - Present

Complete technology and media packages for two adult websites including full-stack data-driven client-side and server-side web apps, system administration,



EDUCATION

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

1985 - 2001

Associates of Arts

Triple Major in Computer Science, Engineering Science & Mathematics (GPA 3.9)

database design, server/email hosting, Tor hosting, alternative e-commerce solutions including commerce apps- and cryptocurrency-only shopping carts, automatic payment detection and content delivery, shipping calculations, vendor administration tools and data reporting, marketing materials, and the creation of relevant social media accounts.

Key Contributions:

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

Technology used:

- React JS, React Native, Redux, Next.js, Node.js, JavaScript, PHP, XML, Json, SQL, Firebase, Firestore, Tor/OnionShare, Adobe CC, Visual Studio

Reference: available upon request

See more at Powershopz.com and Powershotz.com.*

*NSFW – contains sensitive content

Web/Mobile Developer, Media Coordinator & Researcher

BENT ENGINEERING

2016 - Present

Complete technology and media package focusing on “REVOLT Wind Turbines” including article content, website (according to the owner’s vision), hosting and maintenance, mobile application, crowdfunding efforts, grant proposals, and the creation of 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:

- HTML5, CSS3, Adobe CC, React JS, Redux, Flutter, Kotlin, Dart, PHP, jQuery, JavaScript, Google Play, APK Pure, Android Studio, Visual Studio, MS Office, OpenLayers, Google Maps

Reference: Stephen Cowap at steve@bent-engineering.com

Researcher

MARYVILLE UNIVERSITY

2014-2017

Lead 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

Reference: Gabriel Colbeck at gcolbeck@maryville.edu

Analytical Chemist / QC

SENSIENT TECHNOLOGIES CORPORATION

January 2016 – April 2016

Key contributions:

- Product 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
 - 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
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Owner

DESIGNTECH

2008-Present

Key contributions:

- Provide a full range of web services to clientele including server/email hosting and domain services, SEO, and traffic analysis
 - Website design/redesign, full-stack web/mobile application design, development, and deployment
 - Complete architectural rendering and design functions including graphic design, animations, layout, online marketplace development, and branding identity efforts
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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

Reference: Cynthia Thomas at ctcreations@cheerful.com