

Michael Wolf

Data Visualization

Embedded Systems
Programming

Experience

Michael S. Wolf

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UN Political and Peacebuilding Affairs / Collaboration

MAY 2019 - PRESENT, New York City, NY

Projects: Advocacy and research tools. Exploratory interfaces leveraging IBM Watson ML chat interface to aid in discoverability and health assessment of datasets informing policy direction.

Parsons The New School for Design / Part-Time Lecturer

JANUARY 2014 - PRESENT, New York City, NY

Courses: Open Frameworks (MFA Design and Technology); Web 1 (BFA Communication Design); Core Physical Computing Lab 2nd year, 3rd year (BFA Design and Technology); Core Physical Computing Studio 3rd year (BFA Design and Technology)

Workshops: Raspberry Pi & Linux (Faculty Development); Physical Computing (1st year orientation)

Member of curriculum steering committee

DESIS Lab at Parsons / Web Technology Developer

JULY 2015 - FEBRUARY 2016, New York City, NY

Project: Designing for Financial Empowerment. Developed digital web services for Volunteer Income Tax Assistance program; Architected technical feature-set and consulted on implementation

Bard Prison Initiative, Bard College / Adjunct Professor, IT Systems Developer

AUGUST 2011 - JUNE 2013, Woodbourne Correctional Facility, Eastern Correctional Facility, NY

Courses: Introduction to Programming, Advanced Python, HTML, Javascript, Independent Studies in Web Infrastructure and Apps

Additional Duties: Advised on curriculum build-out,

Systems Administration: Administered systems including highly available disk, session and web services; Designed and implemented network build-out; Coded ancillary tools; Trained technical staff

Freelance Programmer

2002 - 2010, Berlin, Germany

Contributed to Kernel Test Suites; Worked on Hardware Evaluation Rigs

GKL IT / Software Engineer, Translator

APRIL 2002 - NOVEMBER 2007, Berlin, Germany

Web development, Content control

German/English translation

Aptis/Nortel Incorporated / Software Engineer

1997 - 2000, Boston, MA

Worked on Carrier Class Switch project (CVX 1800); Wrote realtime modem drivers for Motorola Dragonball/ARM SoftModems; Wrote call simulation software for WinNT; Wrote and maintained manufacturing test harness for 1344 modem devices; Wrote ancillary test tools under Linux

Microcom Incorporated / Software Engineer

1996 - 1997, Boston, MA

Debugged/wrote networking stacks, device drivers; Brought up new hardware, emulation tools; Wrote C code for embedded T1, Pri, Modem, and Management cards; Wrote 68k assembly; Debugged/wrote chip diagnostics

K2Net Incorporated / IT Contractor

1996 - 1997, Boston, MA

Modified Linux driver code to inject errors for IP testbed; Trained employees in use of drivers, and basic IP networking

Wordstock Incorporated / Software Engineer

1995 - 1996, Watertown, MA

Wrote C for a distributed POS/inventory system; Analyzed and resolved problems on an IP network; Consulted on creation, and maintenance of IP network; Contributed to next generation beta product; Consulted with clients regarding transition to TCP/IP

Woods Construction Company / IT Freelance Contractor

1992 - 1994, Hartford, CT

Wrote C programs for automation of system functions; Network maintenance and problem solving

Education

Parsons The New School for Design / MS Data Visualization

AUGUST 2017 - MAY 2019, New York City, NY

Major Studio 1: Collaboration with UNDP, Sustainable Development Goals; Final Thesis: Collaboration with UNDPPA, Sahel Team

Research Assistant for Daniel Sauter: Android Framework development, Blockchain development

Department Freelance for Aaron Hill: Creation of student project website

University of Hartford / B.S. Computer Science

AUGUST 1990 - MAY 1994, Hartford, CT

Student Worker: Sr. Programmer/Systems Administrator, University of Hartford

Skills

SciPy, Node, D3, OpenFrameworks, Various Web Frameworks
AWS Elastic Beanstalk, C9, RDS, DynamoDB, Google Apps Script
Python, C++, JavaScript, Java, Various Microcontrollers
Machine Learning, Embedded hardware development
Linux, Android, Various RTOS

Languages

English (native), German (advanced)