Kevin Chiu

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Plastachio   **Seattle, WA**
Founder / CEO   2015 – Present
- Fix and flipped a CRM company through seller-financed debt and extensive automation and infrastructure replacement. 2020-2023. Started as contractor and became CTO and 45% shareholder via acquisition.
- Developed anti-fraud machine learning / computer vision system and sold the technology to an insurance company.
- Developed image-based search system for design and product discovery and sold to a startup.
- Designed, developed and launched photo-based social mobile application for iPhone and Android for easily organizing events. Navigated copyright law, App Store review etc.
- Developed multi-endpoint messaging system for an image-based social networking startup.
- Designed and developed n-gram crawler and proof of concept natural language search engine for a search engine startup.
- Created domain specific language and personalized climate impact calculation framework for an environmental technology company including over 300 models based on research papers. Trained in-house climate scientists to use the framework. Helped raise early capital. Delivered product to meet investor's budget and timeline. Eventually became CTO.
- Cryptocurrency / Bitcoin - Mined, traded, sold miners, launched mining pool with custom client, branding and merchandise.

Coinbase   **San Francisco, CA**
Product Manager - Coinbase Exchange   2015
- Launched market orders, time in force limit order options, point and click trading, streamlined signup and fund transfer flows.
- Analyzed new product potential by quantifying demand and coordinating research of legal go-to-market options for future products.
- Created volume-based discount model with input from industry sources at Nasdaq and customers.

Microsoft   **Redmond, WA**
Program Manager II - Windows Phone Camera Team - Imaging and Algorithms   2010 – 2013
Graduate Research Intern - MSRA
- Productized computational photography and imaging features including HDR, flash-no-flash, auto-fix, cinematic video stabilization, computational photography APIs.
Research Intern - Human Computer Interaction Group
- Designed, developed, and deployed a location-based Mandarin Chinese language learning application for iPhone.
- Deployed time tracking and time to completion prediction system to manage feature creep and development timelines.
- Created a web service providing real time information updates to clients as well as administrative and remote data gathering tools.
- Instrumented mobile application for remote reconfiguration, user behavior tracking, geolocation while dealing with sub-optimal network conditions and government obfuscation of GIS data.

Climate Culture   **New York, NY**
CTO   2008 – 2009
- Managed internal and external product teams to build online service for climate conscious consumers.
- Shipped over 300 climate calculators, online multiplayer game, social network platform, virtual world simulation.
- Helped raise initial funding before starting full time.

Google   **Mountain View, CA**
Associate Product Manager Intern, Chrome   2007 – 2007
- Product manager for web developer tools. Responsibilities included research, specification, UI design.
- Polled developers to gather statistics on web development tools for major development platforms as well as current best practices. Used the results to inform the design and development of the Chrome developer tools.
- Contributed supporting decisions on other features when consulted, including the download status bar and early Android efforts.

EDUCATION

Massachusetts Institute of Technology   **Cambridge, MA**
Master of Science in Media Arts and Sciences   2009 - 2011
- Research Assistant for Ramesh Raskar. Concentration in computer vision.
- Teaching Assistant for Hiroshi Ishii and Ken Perlin. Concentration in UI/UX.

Columbia University   **New York, NY**
Master of Science in Computer Science with Distinction in Computer Vision and Graphics   2007 - 2009
- Research Assistant for CAVE with Shree Nayar, IRT with Henning Schulzrinne, and CGUI with Steven Feiner.
- Teaching Assistant for Advanced Internet Services with Henning Schulzrinne.

University of Washington   **Seattle, WA**
Bachelor of Science in Computer Engineering with Concentration in Software Engineering   2004 - 2007
- Research Assistant for SEAL Lab with Alexander Mamishev and GRAIL Lab with Steven Seitz.

PATENTS & PUBLICATIONS

Combining Multiple Images in Bracketed Photography   **2013**
Patent US9083935B2, United States Patent and Trademark Office
Unified method for combining images such as high dynamic range images, flash-no-flash image pairs, and/or other
images. *Denis Demandolx, Douglas Alan Ricard, Thomas Lund Dideriksen*

MicroMandarin: Mobile Language Learning in Context   **CHI 2011**
Location-aware language learning mobile application that provides contextual flash cards based on your surroundings.
Darren Edge, Elly Searle, James Landay

VisionBlocks: A Social Computer Vision Framework   **SocialCom/PASSAT 2011**
Toolkit that enables kids to develop computer vision applications. Integrated with Scratch.
Abhijit Bendale, Kshitij Marwah, Ramesh Raskar

Slow Display   **SIGGRAPH 2010**
Painting surfaces with precise UV laser control. *Daniel Saakes, Tyler Hutchison, Biyeun M. Buczyk, Naoya Koizumi,
Masahiko Inami, Ramesh Raskar*

Fill-Front and Cure Progress Monitoring for VARTM with Auto-Calibrating Dielectric Sensors   **SAMPE 2005**
Hardware and software method for tracking the progress of resin flow in a vacuum-assisted molding process.
Gabriel I. Rowe, Jun H. Yi, Jason Tan, Alexander V. Mamishev, Bob Minaie

PROJECTS

Phototourism
- Developed and launched online application for SIGGRAPH 2006 featured in various news outlets including Slashdot,
  ABC, CNN, and BBC.
- Underlying intellectual property licensed to Microsoft via technology transfer and launched as Microsoft Photosynth, a
  3D photo collection and registration service.

Mobile Development
- Built and released the first Hacker SDK for iPhone by pulling together several online resources into an installer.
- Used Hacker SDK to create the first QR code reader for iPhone (to my knowledge) before applications could officially
  be written for iOS.

Languages
- Designed JVM language for simplified photo manipulation called EZIP: Easy Image Processing
- Designed DSL and calculation framework for computing personalized climate impact data.

Research Projects
- Combined SLAM with an AR environment on an Army project for assisting with equipment repairs in the field.
- Created online 3D avatar that synthesized believable mouth movements over generated speech when given text input.
- Sped up Navy sponsored hardware project by over 100x using a physical binary search in place of a linear probing.